

RESEARCH REPORT  
UKTRP-88-2

EARTHQUAKE HAZARD MITIGATION  
OF TRANSPORTATION FACILITIES

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January 1988

UNIVERSITY OF MICHIGAN CENTER  
FOR TRANSPORTATION RESEARCH

1. Report No. UKTRP-88-2		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle Earthquake Hazard Mitigation of Transportation Facilities				5. Report Date January 1988	
				6. Performing Organization Code	
7. Author(s) David L. Allen, Vincent P. Drnevich, Mostafa Sayyedsadr, L. John Fleckenstein				8. Performing Organization Report No. UKTRP-88-2	
9. Performing Organization Name and Address Kentucky Transportation Research Program College of Engineering University of Kentucky Lexington, KY 40506-0043				10. Work Unit No. (TRAIS)	
				11. Contract or Grant No. KYHPR-87-116	
12. Sponsoring Agency Name and Address Kentucky Transportation Cabinet State Office Building Frankfort, KY 40622				13. Type of Report and Period Covered Interim	
				14. Sponsoring Agency Code	
15. Supplementary Notes Publication of this report was sponsored by the Kentucky Transportation Cabinet with the U.S. Department of Transportation, Federal Highway Administration					
16. Abstract Concern has grown in recent years, over the seismic activity of the New Madrid seismic zone located in the central United States. Western Kentucky is located in this region. To permit emergency medical, supply, and equipment traffic into this area after an earthquake has occurred, the Kentucky Transportation Cabinet is interested in the possibility of keeping selected routes passable. This report lists the routes that have been investigated and recommended as being routes that should be maintained in passable conditions. These recommended routes have been visually surveyed and all seismically significant features cataloged. These features are listed in the Appendix. In addition, a discussion on retrofitting bridges for seismic safety is included. A number of general recommendations are made concerning "hardening" the transportation system against earthquakes.					
17. Key Words Earthquakes                      Earthquake Mitigation Retrofitting Bridges Seismic Analyses				18. Distribution Statement Unlimited	
19. Security Classif. (of this report) Unclassified		20. Security Classif. (of this page) Unclassified		21. No. of Pages 102	22. Price

REPORTS PREVIOUSLY ISSUED UNDER THIS STUDY

None

ANTICIPATED DATE OF NEXT INTERIM REPORT

September 1989

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in cooperation with  
Transportation Cabinet  
Commonwealth of Kentucky

and

Federal Highway Administration  
U. S. Department of Transportation

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July 1988

## INTRODUCTION

In 1811-1812, three of the most severe earthquakes in American history shook the country. The location of these quakes was not on the infamous San Andreas fault nor anywhere along the well-known fault laden Pacific coast but was near a small town on the Mississippi River where the state of Kentucky and Missouri share a border. It is this river town, New Madrid, Missouri, that is the namesake of a region now regarded by seismologists and disaster response planners as the most hazardous earthquake zone east of the Rocky Mountains -- the New Madrid seismic zone (Figure 1).

In addition to previous occurrences of these great earthquakes, there are several other well documented factors demonstrating the susceptibility of this region to the recurrence of major quakes. Through a decade of extensive research, an ancient crustal rift has been found to underlie the relatively shallow sediments comprising the region's surface. This type of geologic structure, in general, is prone to seismic activity. The New Madrid rift, in particular, has been identified as being of sufficient size to generate major quakes. Further evidence of the area's seismicity is the record of over 2,000 earthquakes detected in the zone since 1974. Though most have been of a magnitude below the threshold of human perception, their existence clearly indicates the high level of seismic activity occurring in the zone even today.

Seismologists have calculated the probabilities of recurrence of sizeable quakes in the New Madrid rift zone. The probability of a 6.3 quake (Richter scale) within 50 years is from 86 to 97 percent. The probability (1) of that same quake occurring within the next 15 years is from 40 to 63 percent. The probability of a 7.6 quake occurring within 50 years is from 19 to 29 percent. The probabilities for this size quake occurring within 15 years drop quickly to a range of 5.4 to 8.7 percent.

These observations -- prior great earthquakes, an identified geologic structure, and continuing activity -- have created an awareness of the high hazard potential of the New Madrid zone. The very real threat of another significant earthquake coupled with the existence of a number of large population centers and vital facilities in or near the zone have made the formulation of a comprehensive policy for dealing with the effects of an earthquake of utmost importance. A number of steps have already been taken in response to this need.

In 1981, the Federal Emergency Management Agency (FEMA) initiated the Central United States Earthquake Preparedness Project (CUSEPP) to help state governments increase their capability to respond to damaging earthquakes, to promote mitigation activities, and to encourage cooperation between states in the area of emergency planning.

In 1982, the Governor's Task Force on Earthquake Hazards and Safety was created to evaluate Kentucky's earthquake risk and to make recommendations for responding to those risks. This task force recommended increased public awareness and education programs, improved emergency response planning and training, improved building codes and seismic restraint designs, evaluation of other mitigation measures, and participation in national and regional earthquake forums and funding programs.

In 1983, seven states surrounding the New Madrid rift zone joined to form the Central United States Earthquake Consortium (CUSEC), resulting in increased public awareness and closer cooperation among participating states.

In 1984, Governor Collins created the Governor's Earthquake Hazards and Safety Technical Advisory Panel (GEHSTAP) to analyze scientific and engineering data regarding seismic risks in Kentucky and to make specific recommendations on mitigation, public awareness, response planning, and policy development for public health and safety.

The state's dependence on transportation systems for interstate and intrastate activities and the possible adverse effects a major quake could have on these systems led to the formation of the Earth Stability and Transportation Subcommittee (ESTS) of GEHSTAP. ESTS has made a number of recommendations concerning formulation and implementation of a seismic mitigation policy -- among them the creation of an interagency task force of affected agencies to implement a proposed action plan. The ESTS action plan is synopsisized as follows:

- 1) Establish high priority routes that are vital to the movement of goods and services with special consideration being given to those transportation facilities located in areas of high earthquake probability.
- 2) Compile seismic risk maps of all natural and man-made features susceptible to earthquake damage that could jeopardize those priority transportation routes.
- 3) Educate and train key personnel in the Transportation Cabinet in seismic safety; this includes but is not limited to bridge inspectors, district engineers, construction inspectors, designers, and maintenance personnel.
- 4) Review mitigation planning and establish a program for implementation.
- 5) Use relevant seismic code provisions for all new construction, repair, and maintenance.

The Kentucky Transportation Cabinet has been encouraged by ESTS to secure funding and to begin implementing the items recommended in the action plan. As a result, a research study was initiated by the Transportation Cabinet as a partial response. In general, the objectives of this research effort are to investigate and address the recommendations made by ESTS.

On July 27, 1980, a 5.2 earthquake struck in northern Kentucky, approximately 50 km east-northeast of Lexington near the small Kentucky town of Sharpsburg. The major damage occurred 50 km away from the epicenter in the town of Maysville. It is theorized that the ground motion in the Maysville area was amplified 2 to 3 times due to the underlying alluvium.

The Sharpsburg earthquake was the result of right-lateral, strike slip movement along a fault. The Sharpsburg quake has little to no seismic correlation with the New Madrid Fault Zone. The Sharpsburg quake demonstrates the vulnerability of the entire state of Kentucky to the potentially damaging quakes, and high potential for damage to occur in areas that are built over alluvium deposits. The area in most eminent danger and therefore of greatest concern, is that surrounding the New Madrid seismic zone. For that reason, this study has been limited to the region of Kentucky nearest the New Madrid zone -- the 26 westernmost counties (Figure 2).

## PRIORITY ROUTES

Following a major earthquake, the most immediate desired mode of transportation into and out of affected areas would be by highways. The first ESTS recommendation to be addressed is the establishment of priority routes vital to the movement of goods and services.

The initial task in identifying these priority routes is deciding where they should begin; that is, in the event of a major quake, where should the transport of goods and services originate. Ideally, the city chosen should possess the following attributes:

- 1) sufficient size to contain all necessary personnel, supplies, and facilities to respond quickly to a major emergency;
- 2) proximity to the high hazard area to speed the relief effort but not so close as to suffer the same high risk potential;
- 3) easy access from other major cities in the state to further aid relief efforts; and
- 4) sufficient routes (with criteria mentioned later) to provide relatively direct access to all 26 high-risk counties.

The city recommended as best fitting these criteria is Bowling Green. Located just outside the study area in Warren County, Bowling Green meets both the size criteria (population 40,450) and the accessibility criteria (Louisville and Nashville via I 65 and Lexington via the Bluegrass Parkway). Bowling Green provides access to the 26-county area via US 68/KY 80; this road was chosen as the main east-west artery because it crosses Lake Barkley and Kentucky Lake upstream from the dams impounding those bodies of water.

The second task was selection of routes that would connect at least one city of sizeable population to act as a regional distribution center for goods and services in each county. The priority routes would become the roads that could provide the safest and most timely access between these centers and the source city of Bowling Green. The cities that were chosen as regional centers are listed in Table 1. In general, the Parkways were avoided because of their high frequency of bridges that could potentially collapse and render the routes impassable. The priority routes that are recommended are shown in Figure 3 and are listed by starting and ending points in Table 2. The routes listed in Table 1 to the regional centers are the primary routes to these centers. In some cases, alternate routes are available, and these may be determined from Figure 3.

A visual survey of each priority route was conducted to identify and catalog natural and man-made features that could potentially (in the event of a major quake) hamper rescue and relief efforts. Those features deemed seismically significant and cataloged are as follows: bridges, dams, pipelines (natural gas and petroleum), powerlines, high fills, cut slopes, signs, buildings, faults, tanks, trees, and mines. Those features were located to the nearest tenth or 1/100 of a mile and cataloged on an IBM lap-top convertible PC using the language of dBase III Plus. The more significant features also were photodocumented and visually inspected in greater detail. Those judged to pose a high seismic risk were earmarked for a more in-

depth analysis, to be performed later. Computer data may be output in two formats. The first lists all seismically significant features by county. The second format lists all significant features that occur on a particular priority route. Seismically significant features in any particular county or all significant features along any particular route traversing several counties are readily available. All features that have been cataloged during the surveys are listed in Appendix A by priority route. All information in these files will be verified for accuracy. Appendix A summarizes only the features and do not list other information that the files contain relative to individual features. Nearly every route surveyed had some sections lined with large trees too numerous to catalog individually. Therefore, these areas are listed by starting and ending milepoints. When the routes passed through towns, they were often bordered by a number of small (less than three stories) buildings. Those buildings were frequently numerous and, without closer and very time consuming inspection, could not be judged for potential seismic performance. This problem is alleviated somewhat by the multitude of detours available in most towns. Potential detours around other cataloged hazards were obvious. A private drive just off a priority route was noted as being available to provide a clear and easily navigable route for circumventing a theoretically fallen water tank. Detours will be studied in greater detail later during the course of this study.

Seismic risk maps for the priority highways (Figure 4) were compiled upon completion of the visual surveys. Compilations were made in a strip manner (10 miles per page) with milepoints increasing up the page. Each feature identified during visual surveys is shown in symbol form beside the appropriate milepoint number. Feature locations are rounded to the nearest tenth of a mile. These maps will later be produced in two formats, one separating them by route and the other separating them by county. This will enable relief personnel examining the maps to be aware of all potential hazards that may be encountered along the entire length of a route, as well as make it possible to distribute maps to county officials showing just those seismically significant features under their jurisdiction.

## SEISMICALLY SIGNIFICANT FEATURES

### DAMS

Large impoundments of water could threaten any priority route located nearby. The priority route could be washed out or temporarily flooded in the event of a dam failure. This is the major reason the main priority route to the Jackson Purchase area was chosen to be US 68/KY 80. That route is located upstream of the dams that impound Kentucky Lake and Lake Barkley. All routes downstream of those dams would certainly be flooded or washed away in the event of failure of one or both dams. US 62 and US 60, located below those dams, were chosen as alternate priority routes in the event the two dams remain intact after an earthquake.

Lake Beshear at Dawson Springs is the only other major impoundment that would threaten a priority route. KY 672 and KY 109 would be inundated if that impoundment failed. Other smaller



impoundments were cataloged during the surveys. Most were small farm ponds located near a priority route; however, it appears that none of those smaller impoundments would threaten a priority route.

## **PIPELINES**

Pipelines are numerous in the seismic study area. Figure 5 shows the location of major natural gas transmission lines. All pipelines (including water and liquid petroleum products) that were identified near or under the roadway were cataloged during the route surveys. Pipelines that were not identified during the field survey will not be included in the catalog of seismic features. It is difficult to obtain information relative to pipe depth, size, number, and transmission pressure.

It appears that most or all of the lines were constructed with little or no seismic considerations. It would be difficult to harden a pipeline against a seismic event to prevent failure. In cases where the pipeline crosses a known fault, some flexibility may be built into the line to provide a greater margin of safety against rupture. It does not appear any of the lines in the study area have been constructed in this manner.

Pipelines near priority routes should be retrofitted with cutoff valves just upstream from any priority route.

Natural gas and petroleum wells located in close proximity to priority routes are concerns that should be addressed. Producing gas wells connected to major pipelines may be retrofitted with cutoff valves at the source. Wells that have large holding tanks nearby should be retrofitted with cutoff valves and be surrounded with some type of containment structure in case of a leak or rupture. A suitable containment structure would be a clay-core dike surrounding the storage tanks and wells.

To implement a program of cutoff valve retrofitting, considerable coordination between public and private agencies would be necessary. Regulatory agencies would have to be authorized to enforce such a program. It would have to be determined who would bear the costs of the program. In addition, public and emergency agencies would have to be given authority for closing those valves in the event of a seismic emergency.

## **POWERLINES**

High voltage power lines also were cataloged during the route surveys. The height of the lines above the roadway were estimated visually. The transmission voltage was not estimated.

Power company officials were of the opinion that downed power lines would not present major problems. Power company officials speculated that a number of breaks along each power line would occur during a major seismic event and fallen lines across a priority route, in most cases, would not be transmitting power. Also, power is automatically cut off within a few seconds in the event of a break.

## **HIGH FILLS**

Highway fills over 15 to 20 feet in height and judged as having the potential of failing during a

major seismic event were cataloged during the surveys. High fills are particularly important seismic-related features because of their tendency to fail due to seismically induced motions. It is probable those fills would fail in one of two major modes. The first mode would be a generalized circular or wedge-shaped failure resulting in one or both traffic lanes moving down and out. If both lanes failed, this would certainly render the route impassable and immediate repairs would be necessary or a detour would have to be located or constructed. The second mode of failure would be a general slumping or settling of the embankment. The roadway would probably remain passable at a reduced level of service in the event settlement or slumping were not significant.

Large bridge approach embankments are of considerable concern. Studies in California have revealed that many bridge approach embankments settle or slump due to seismic motions rendering bridge approaches impassable (2). This is very likely for bridges in Kentucky because most abutments are on piles while the approaches are not. Consequently, major bridges should have self-supporting approach slabs that are free to pivot at the abutment end. This would permit the end farthest from the bridge to settle with the embankment but allow traffic to ramp up to the bridge.

Fills constructed over swampy terrain are also a major concern. The bottom of fills located below the water line are usually saturated. Saturated zones could liquify during seismic activity and collapse the entire structure. Riprap placed at the foot of those fills might prevent liquefaction during a quake.

#### **CUT SLOPES**

Most cut slopes cataloged during surveys of the priority routes were in soil and were less than 20 feet in height. It is anticipated that most of those cuts will not present a major problem during or following a seismic event. Should any of those slopes fail, in all likelihood both lanes of the roadway would not be closed, thus permitting passage around the slide.

Individual sites will be studied further to determine if corrections may be necessary. An economical method to correct problem areas may be to cut the slopes back as much as available right of way will permit.

#### **SIGNS**

There were very few large overhead signs cataloged during the survey of priority routes. Signs that might fall could be cleared from the roadway.

#### **BUILDINGS**

There are many two- and three-story buildings located along the routes passing through cities. Many of the buildings are brick veneer and their seismic response is unknown. An analysis of each of those for seismic response would be prohibitive in terms of cost and time. Most cities would have multiple detours that could be used in the event collapse of a building closed a priority route.

## TANKS

All tanks (including water storage tanks) were cataloged. The visual survey indicated there were only two tanks that might disrupt traffic on priority route. Those will be studied in greater detail later and recommendations will be made.

## MINES

There were several types of mining-related activities that could affect priority routes. Subsidence from underground mines may be a problem in some areas. Data obtained from the Department of Mines and Minerals indicated there are 17 locations in five counties where underground mines intercept a priority route. KY 109 had the largest number of underground mines. There were nine under that route.

There are several subsidence problem area's that already exist in the Madisonville area that could be excellerated if hit by a seismic force. A shopping center in Madisonville had to be pressure grouted due to the subsidence that was occuring due to a abandoned mine shafts that were collapsing. A bridge on US 62 which crosses the Pennyryle Parkway is undergoing subsidence problems that are due to the collapsing of a old mine shaft. The west end of the bridge is temporarily jacked up with a supporting metal framework.

In January 1966, during construction of a large single-story building in Belleville, Illinois, settlements began to occur under a section of the building, causing cracking. It was determined that the settlements may have started in late October or early November 1965.

An earthquake was reported in Belleville on October 20, 1965. The site was located over an old mine in a coal seam 2 to 2.5m thick at a depth of 40m. The building settlements were thought to be the result of pillar collapse and mine closure initiated by the earthquake (2).

Several strip mines that had large spoil banks and possible impoundments were cataloged. Those strip mines will be investigated further to assess their potential hazards.

Other potential hazards to priority routes are sand and gravel quarries. Several quarries had steep cut slopes and large stockpiles that could liquify and temporarily block the road. A good solution would be to relocate stockpiles and decrease slopes of quarry walls.

## TREES

The behavior of trees during an earthquake depends upon many factors: condition of the tree, the soil, moisture content of the soil, geometry of the ground surface, and characteristics of the earthquake. The violent ground motions accompanied by surface rupture and perhaps, and permanent displacement of soil surface, produce sudden surface accelerations of the ground which can snap and uproot large trees (3).

It would be impossible to predict the behavior of all trees along the priority routes. All priority routes have a large number of trees throughout their lengths. Trees are so numerous that if many of them fell the priority routes could effectively be blocked for several hours or days before emergency crews could clear the debris. An effective way to deal with the tree problem would be to clear a zone along priority routes. This recommendation probably would not be feasible for cities and towns where property lines are

very close to the pavement. An additional consideration related to tree removal is the safety aspect. Many trees may be a hazard to vehicular traffic. Removal of some of the trees that are obvious hazards would make these routes safer for public travel.

## **FAULTS**

There are numerous geologic faults in the study area. The faults are seismically significant since a large earthquake could trigger additional movement along one or more of those old slip planes. There appear to be five major fault zones in the study area that generally run in an east-west direction. The northernmost fault zone is identified as the Rough Creek Fault Zone. Because of the east-west direction of those fault zones, the north-south priority routes would be most affected. These routes include US 231, US 431, US 41, KY 91, KY 109, and US 641. There are no precautionary measures that can be taken to reduce hazards from the faults. The faults were included for informational purposes only. The faults have been cataloged on individual routes. These are included in the data files.

## **BRIDGES**

Bridges are by far the most significant and important features on the priority routes. Prior to the 1971 San Fernando earthquake, only nominal research had been conducted in the United States to develop procedures to improve the seismic performance of highway bridges. Since 1971, researchers have focused attention of the seismic resistance on both new and existing highway bridges. There is a significant time lag between research and implementation of codes reflecting findings of the research. As a consequence, existing codes may be deficient in certain aspects as would those bridges designed and constructed utilizing those codes.

With very few exceptions, existing highway bridges in the US have not been designed to resist motions and forces that may be generated by earthquakes. As a result, many bridges may be expected to perform poorly or even fail if subjected to strong seismic motions. Bridges form the critical links in the roadway network and are most susceptible to seismic forces. They also represent the greatest economic risk if destroyed or damaged. All bridges on the priority routes have been cataloged and a preliminary survey has been made of each structure. Some items cataloged for each bridge include location, type, number of spans, superstructure and substructure details, length, width, and deck type. This information has been filed using the computer program QUAKE. Appendix B lists the information in the file for each bridge cataloged.

Because of the large number of existing bridges, it is impractical to perform a thorough investigation, including dynamic analysis, of all bridges in the system. A preliminary screening process is needed to select only those bridges that have the highest potential for failure during an earthquake. According to the Applied Technology Council's publication entitled "Seismic Retrofitting Guidelines for Highway Bridges" ATC-6-2 (5), the complexity of analysis and design requirements for bridges vary depending on their Seismic Performance Category (SPC). Bridges classified as SPC A are designed for the

lowest level of seismic activity and those classified as SPC D are designed for the highest level of seismic activity. The Seismic Performance Category is determined from the Importance Classification (IC) and the Acceleration Coefficient (A). Two Importance Classifications are specified. An IC of I is assigned to essential bridges and IC of II is assigned to all others. Bridges under consideration in this study are on critical routes and all will have IC values of I.

The computer program SEISPEC has been written, as a part of this study, to determine seismic performance category for bridges located on the critical routes. A more detailed acceleration coefficient map must be developed for input to the program before the program can become operational.

Since relatively low levels of seismic loading are expected for the bridges in SPC-A, based on seismic design guidelines developed in ATC-6-2, those bridges are exempt from the guidelines and retrofitting is not warranted. For bridges in SPC-B, requirements of the guidelines are greatly simplified. Bridges in SPC-C and D would be subjected to the highest potential force level during an earthquake; therefore, the guidelines propose a methodology whereby all critical components may be evaluated in detail and considered for retrofitting. To select the bridges for retrofit according to their need for seismic hazard mitigation, the guidelines describe a method for developing a seismic rating system. The most hazardous bridges are identified. The decision to retrofit depends upon political, social, and economic factors as well as engineering factors. The seismic rating system may be used only as a guide for making retrofitting decisions. Consideration is given to structural vulnerability, seismicity of the bridge site, and the bridge's importance as a vital transportation link to calculate the seismic rating of a bridge. Each of those three areas are assigned a rating, weight, and score. Those scores are added to arrive at an overall seismic rating for a specific bridge. The higher the seismic rating score, the greater the need for the bridge to be evaluated for seismic retrofitting. The program SEISRATE has been written to calculate the seismic rating score for bridges included in this study. Bridges selected for detailed evaluation will be evaluated by the procedure depicted in Figure 4 based on seismic design guidelines developed by the Applied Technology Council.

The primary goal of seismic retrofitting is to increase the seismic resistance of a bridge to minimize the risk of unacceptable damage during an earthquake of the design magnitude. Damage is deemed unacceptable if it results in collapse of all or part of the bridge. Important bridges should be retrofitted so emergency vehicles may use the bridges following an earthquake. If that is not possible, provisions should be made to quickly install portable bridges at those locations.

Bridges in Seismic Performance Category B usually will only require consideration of retrofitting for the bearings and expansion joints. In Seismic Performance Category C, columns, piers, and footings also should be considered. Retrofitting of all components should be considered only for Seismic Performance Category D.

Several methods for retrofitting bridges have been proposed and some have been used. Use of expansion joint restrainers is the most popular and has proven to be economical.

Retrofitting concepts may be divided in four major groups:

- 1) bearing and expansion joints;

- 2) reinforced concrete columns, piers, and footings;
- 3) abutments; and
- 4) liquefaction and soil movement.

The following are possible retrofitting actions for each group:

1) Bearing and Expansion Joints

- longitudinal joint restrainers may be used as a retrofit measure to tie a structure together and prevent loss of support at the bearings
- transverse bearing restrainers are necessary in many cases to keep the superstructure from sliding off the bearings
- vertical motion restrainers (only for bridges in SPC-D)
- bearing seat extensions
- special earthquake resistant bearings and devices

2) Reinforced Concrete Columns, Piers, and Footings

- force limiting devices designed to limit the seismically induced forces that may be transferred to the columns, piers, and footings
- increased transverse confinement
- increased flexural reinforcement
- in-fill shear wall
- strengthening of footings so they do not fail prior to soil or piling failure

3) Abutments

- settlement slabs must carry traffic over a portion of the approach fill that has settled
- soil anchors

4) Liquefaction and Soil Movement

- lower the ground-water table
- densification of the soil
- install a network of aggregate drains
- use chemicals or grouts to increase the shear strength of soil

Approximately 350 bridges were cataloged during the surveys. Of those, it is estimated that 150 to 175 bridges may need some form of retrofitting. Conversations with personnel from the California Department of Transportation revealed the cost per bridge for retrofitting could be from \$10,000 to \$20,000. This is approximately \$1,500,000 to \$3,500,000 for a retrofitting program on those bridges.

If Kentucky Dam or Barkley Dam were to fail during an earthquake, those lakes would naturally drain and increase the velocity of flow within the lakes. Increased velocity of flow might produce scour around pier foundations that support the bridges on US 68/KY 80. The consequences could be failure of the piers. A scour analysis should be performed on lake deposits surrounding the piers on those bridges.

## RECOMMENDATIONS

From information and data obtained to date, a number of preliminary and general recommendations follow.

It is estimated that 150 to 175 bridges will require some form of retrofitting. Simple spans should be tied together and to the seats. Simple cable stays probably would be sufficient in most cases. Bridge seats would need to be widened and lengthened in some cases. It may be necessary to replace rockers with elastomeric pads or new energy dissipating bearings on some bridges.

It is recommended the two bridges over Kentucky Lake and Lake Barkley on US 68/KY 80 be analyzed in great detail for seismic behavior. A scour analysis should be performed on lake sediments around the piers of both structures.

Approach embankments to critically important bridges and those having SPC codes C and D should receive some degree of seismic analysis. All bridges in those categories should have self-supporting, reinforced approach pavement slabs. All bridges that are in SPC categories C and D should have emergency replacement units (such as Bailey bridges) stored nearby on a permanent basis or have provisions to move portable bridges quickly into place.

A detailed seismic analysis should be performed on the dam that impounds Lake Beshear.

It is difficult to determine the likelihood of individual trees falling during an earthquake. However, it may be advisable that large trees very close to the roadway (less than 15 feet) be removed, particularly if they are a safety hazard. In addition, diseased or dead trees should probably be removed. Otherwise, emphasis should be placed upon rapid removal of fallen trees after a seismic event. Each maintenance crew should have a number of chain saws as part of their equipment inventory and motorized equipment for pushing or pulling trees out of the roadway.

Shut-off valves should be installed a short distance upstream on all pipelines that intersect priority routes. Emergency personnel and transportation personnel should be informed of the location of those valves and should know those with authority to operate the valves.

The Transportation Cabinet should consider a bridge-retrofitting program as a line item in the budget. Cost estimates given in this report are general in nature, but would go far in implementing such a program.

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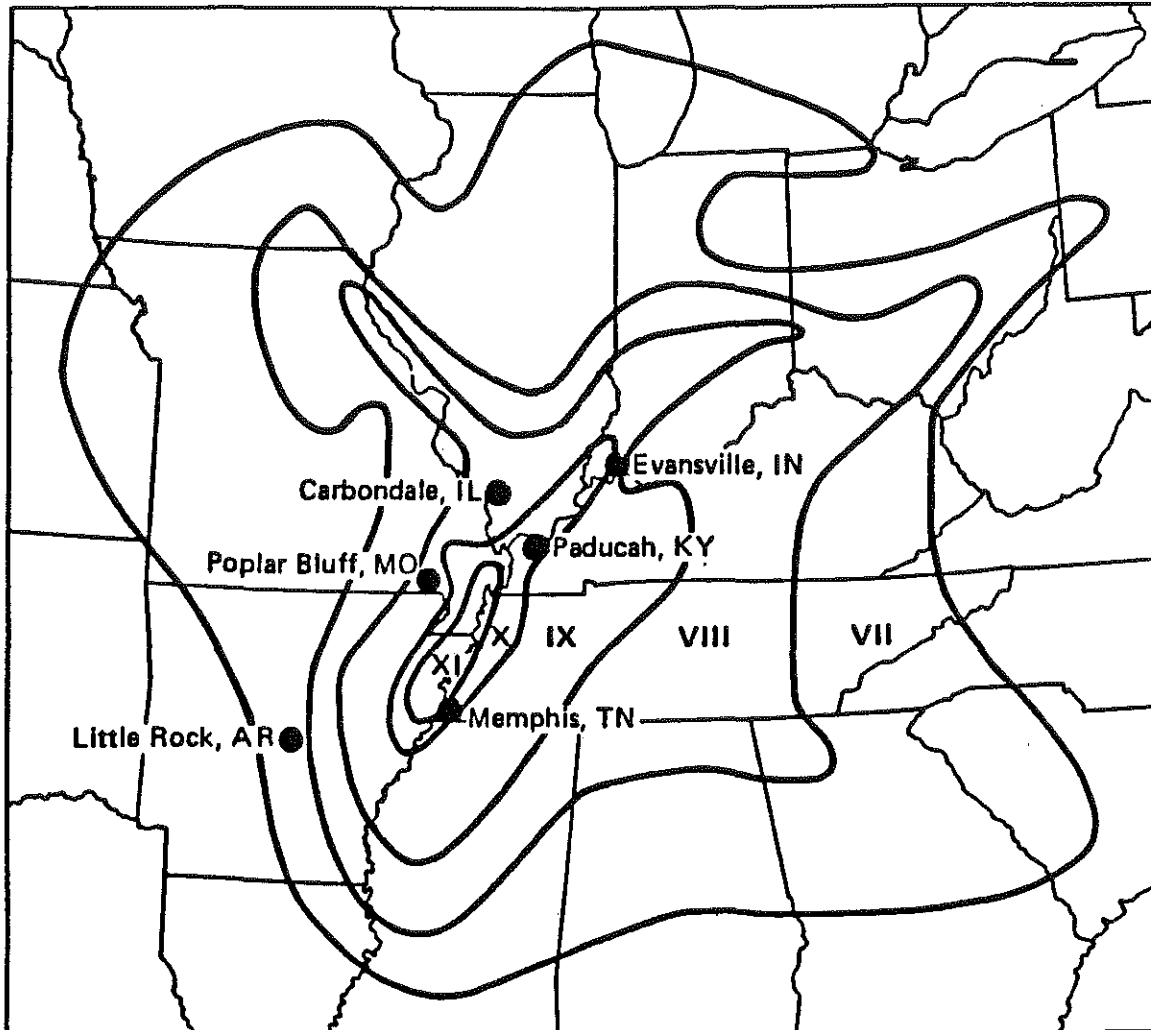


Figure 1. Location of New Madrid Seismic Zone and the Mercalli Modified Intensity Scale Suggesting the Possible Effects of an Earthquake as Severe as the 1811-1812 Quakes (Source -- U. S. Geological Survey).

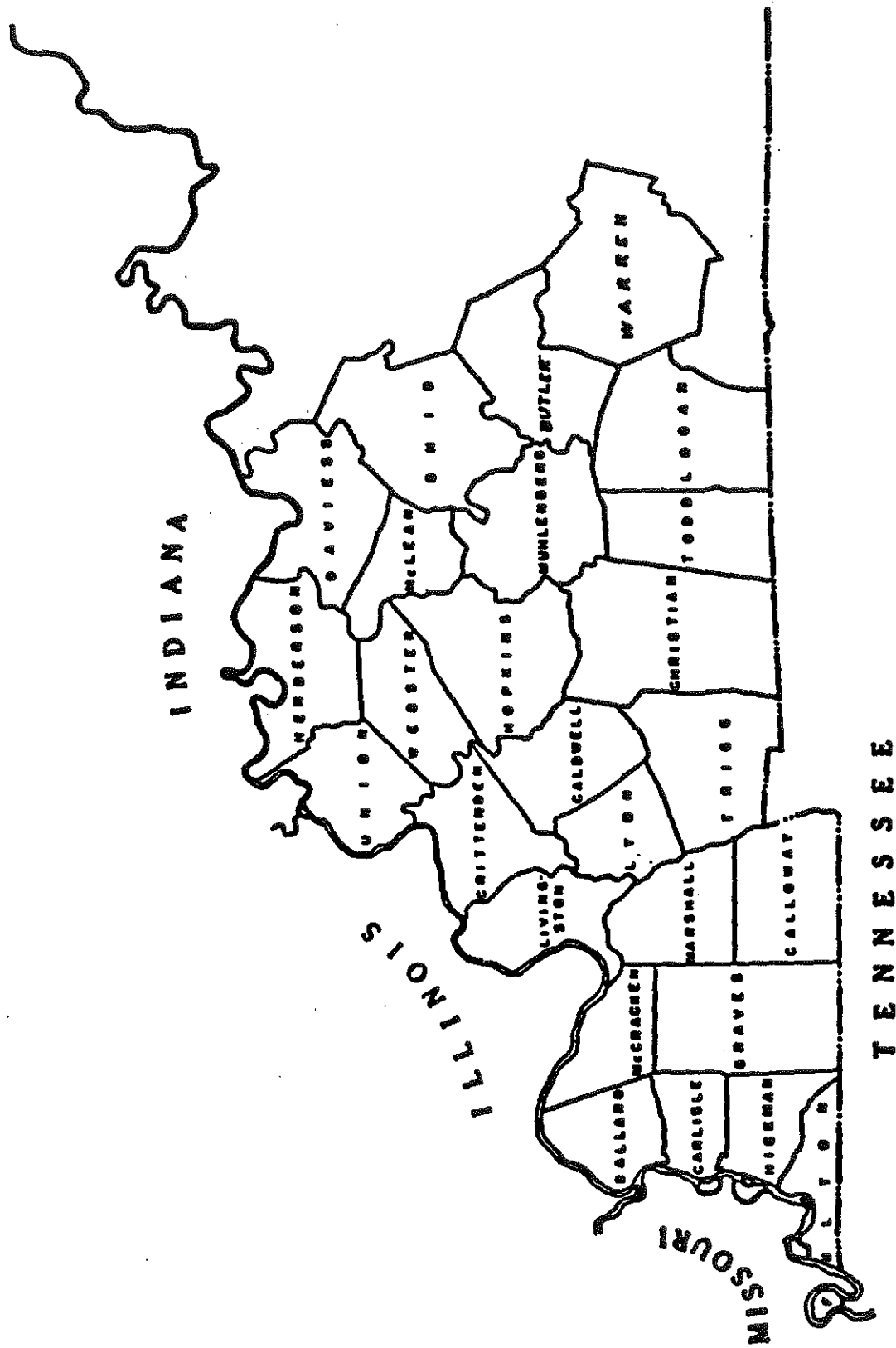


Figure 2: The Twenty-six Counties Included in this Study

TABLE 1. RECOMMENDED EMERGENCY DISTRIBUTION CENTERS

CITY OR TOWN	COUNTY	POPULATION	VIA
Bowling Green	Warren	40,450	
Morgantown	Butler	2,000	US 231
Auburn	Logan	1,467	US 68/KY 80
Russellville	Logan	7,520	US 68/KY 80
Elkton	Todd	1,815	US 68/KY 80
Guthrie	Todd	1,361	US 68/KY 80- US 79
Greenville	Muhlenberg	4,631	KY 176-US 431- US 68/KY 80
Beaver Dam	Ohio	3,185	US 231
Hartford	Ohio	2,512	US 231
Calhoun	McLean	1,080	KY 136-US 231
Owensboro	Daviess	54,450	US 231
Hopkinsville	Christian	27,318	US 68/KY 80
Oak Grove	Christian	2,088	US 41A-US 68/KY 80
Nortonville	Hopkins	1,336	US 41-US 68/KY 80
Morton's Gap	Hopkins	1,201	US 41A-US 41 US 68/KY 80
Earlington	Hopkins	2,011	US 41A-US 41- US 68/KY 80
Madisonville	Hopkins	16,979	US 41-US 41A-US 41 US 68/KY 80
Sebree	Webster	1,516	US 41-US 41A-US 41 US 68/KY 80
Henderson	Henderson	24,834	KY 351-KY 416- Audubon PKWY- KY 1554-KY 56 from Owensboro or US 41- US 41A-US 41- US 68/KY 80
Central City	Muhlenberg	5,214	US 431/KY 70-US 431 -US 68/KY 80
Princeton	Caldwell	7,073	KY 91-US 68/KY 80
Dawson Springs	Hopkins	3,275	KY 672-KY 91- US 68/KY 80
Providence	Webster	4,434	KY 109-KY 672-KY 91 US 68/KY 80
Clay	Webster	1,356	KY 109-KY 672-KY 91 US 68/KY 80
Sturgis	Union	2,293	US 60-KY 109-KY 672 KY 91-US 68/KY 80
Morganfield	Union	3,781	US 60-KY 109-KY 672 KY 91-US 68/KY 80
Uniontown	Union	1,169	US 60-KY109-KY 672 -KY 130
Cadiz	Trigg	1,661	US 68/KY 80

TABLE 1. RECOMMENDED EMERGENCY DISTRIBUTION CENTERS (Continued)

CITY OR TOWN	COUNTY	POPULATION	VIA
Marion	Crittenden	3,392	US 641/KY 91-KY 91 US 68/KY 80
Eddyville	Lyon		KY 62-KY 91- US 68/KY 80
Murray	Calloway	14,248	KY 94-US 68/KY 80
Calvert City	Marshall	2,388	US 60-US 68- US 68/KY 80
Paducah	McCracken	29,314	KY 284-US 68- US 68/KY 80
La Center	Ballard	1,044	US 68/KY 80- US 68-US 60
Benton	Marshall	2,388	KY 408-US 68 US 68/KY 80
Mayfield	Graves	10,705	KY 58/KY 80-KY 80- US 68/KY 80
Wickliffe	Ballard	1,044	KY 121-KY 58/KY 80 KY 80-US 60/KY 80
Bardwell	Carlisle	1,049	US 62-KY 121- KY 58/KY 80-KY 80 -US 60/KY 80
Clinton	Hickman	1,720	KY 58-KY 58/KY 80 -KY 80-US 68/KY 80
Fulton	Fulton	3,147	US 45-KY 94- US 68/KY 80
Hickman	Fulton	2,804	KY 94-US 68/KY 80 or KY 125-KY 166 from Fulton

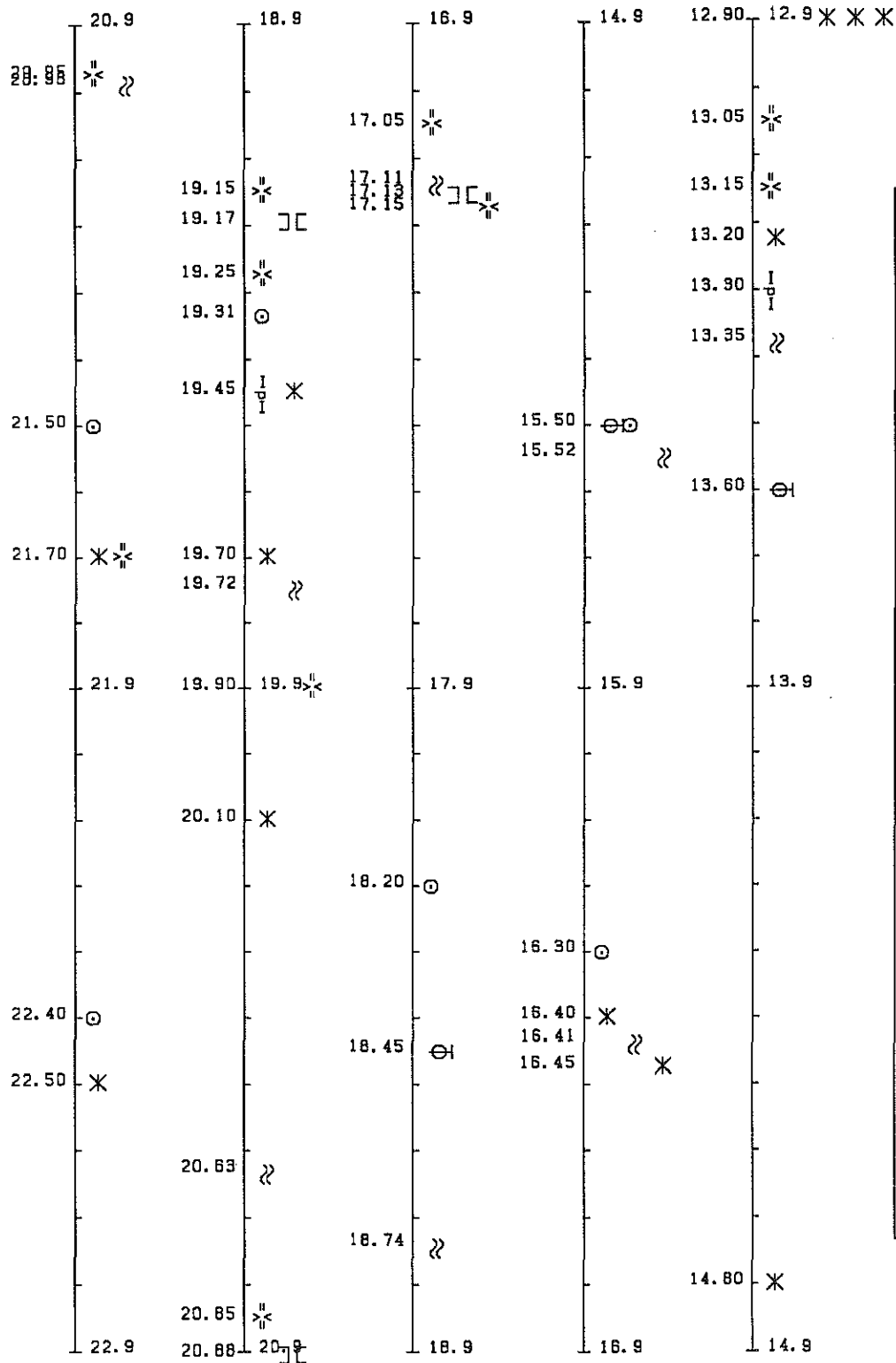
TABLE 2. RECOMMENDED PRIORITY ROUTES

ROAD	FROM	TO	LENGTH (miles)
US 68/KY 80	Bowling Green (US 231)	Aurora (US 68 & KY 80 Split)	100.77
US 68	Aurora (KY 80)	Paducah (KY 284)	27.50
KY 408	US 68	Benton	4.00
KY 284	US 68	Paducah (US 45)	
KY 80	Aurora (US 68)	KY 58	16.80
US 231	Bowling Green US 68/KY 80	Owensboro	66.80
US 431	Russellville US 68/KY 80	Central City	35.30
KY 176	Drakesboro (US 431)	Greenville	7.80
KY 136	Hartford (KY 231)	Calhoun (KY 81)	22.10
US 41	Hopkinsville US 68/KY 80	Pennryrile Parkway (US 41A)	18.47
US 41A	Pennryrile Parkway (US 41A)	Madisonville (US 41)	16.10
US 41	Madisonville (KY 1751)	Henderson	33.50
KY 351	Henderson (US 41)	KY 416	11.50
KY 416	KY 351	Audubon PKWY	2.20
Audubon PKWY	KY 416	KY 1554	7.57
KY 1554	Audubon PKWAY	KY 56	1.00
KY 56	KY 1554	Owensboro	4.00
KY 91	Hopkinsville US 68/KY 80	Fredonia (US 641/KY 91)	39.05
US 641/KY 91	Fredonia (KY 91)	Marion	9.10
KY 672	KY 91	Dawson Springs (US 62)	14.20
US 62	KY DAM	US 68	32.50
KY 109	Dawson Springs (US 62)	Sullivan (US 60)	35.27
KY 94	Aurora (US 68/KY 80)	Hickman (KY 125)	65.40
KY 125	Hickman (KY 94)	KY 166	4.10
KY 166	KY 125	Fulton	13.06
US 45	Intersection US 45/KY80	Fulton	20.64
KY 58	US 45	Clinton	14.85
US 60	Wickliffe, Intersection US 62 and US 51	Henderson	118.06
KY 121	Murray (KY 80)	Wickliffe	50.50
US 62	KY 121	Bardwell	5.73
KY58/KY80	Intersection KY58/KY80	Mayfield	11.10
KY1751	Intersection US 41	Intersection US 41A	1.70
US 45/KY 58	Mayfield	Intersection (US 45/KY 58)	11.70
US 62/US 641	Intersection (US 62/US 641)	KY DAM	14.50

TABLE 2. RECOMMENDED PRIORITY ROUTES (Continued)

ROAD	FROM	TO	LENGTH (miles)
US 79	Russelville	US 641	94.52
Trace	Intersection (US 68/KY 80)	US 79	25.50

# KY 136 MCLEAN CO.



**LEGEND OF FEATURES**

	BRIDGE		CUT SLOPE		BUILDING		FILL		OTHER
	TREE		POWER LINE		SIGN		FAULT		
	PIPELINE		MINE		TRUNK		DAM		

SEE REPORT FOR DESCRIPTIONS OF OTHER

Figure 4: Example Seismic Risk Map (KY 94)

# GAS TRANSMISSION IN KENTUCKY

**GAS TRANSMISSION AND DISTRIBUTION SYSTEM**  
Service to Communities Over 500 Population

**SYMBOL**

- |         |                                  |
|---------|----------------------------------|
| AGT     | Atlantic Gas Transmission Co.    |
| COG     | Capital Oil & Gas Co.            |
| CKR     | Columbia Gas of Kentucky, Inc.   |
| CGTC    | Columbia Gas Transmission Co.    |
| CH      | Columbia Hydrocarbon Co.         |
| DNQ     | Delta Natural Gas Co.            |
| EI      | Elm Utilities Co.                |
| HG      | Hazard Gas Co.                   |
| IU      | Indiana Utilities Corp.          |
| IC      | Ireland Gas Co., Inc.            |
| KH      | Kentucky Hydrocarbon Co.         |
| KUG     | Kentucky Ohio Gas Co.            |
| KWV     | Kentucky West Virginia Gas Co.   |
| L, B, E | Louisville Gas & Electric Co.    |
| MWP     | Michigan Wisconsin Pipeline Co.  |
| M, T    | Municipal                        |
| M       | Municipal                        |
| OILC    | Orbit Gas Co.                    |
| ORR     | Ohio River Gas Corp.             |
| ORH     | Ohio River Pipeline Co.          |
| OMP     | Ohio Corporation                 |
| UC      | Union Carbide                    |
| PHG     | Parbond Gas Co.                  |
| RI      | Richardville Gas Co.             |
| SG      | Southern Gas Service             |
| TLT     | Tennessee Gas Transmission Co.   |
| TLP     | Tennessee Gas Pipeline Co.       |
| TEL     | Texas Eastern Transmission Corp. |
| TGR     | Texas Gas Resources Corp.        |
| TRG     | Trunkline Gas Co.                |
| UG      | Union Gas Co.                    |
| ULG     | Union Light Heat and Power Co.   |
| WKG     | Western Kentucky Gas Co.         |
| WTC     | West Oil Co.                     |

**PIPE LINES**

- In Service
- - - Under Construction or Authorized
- · - · - Connections Between Systems
- Company and Line Size
- 11.1 76

**COMPRESSOR STATIONS**

- ▲ In Service
- △ Under Construction
- Stripping Plants

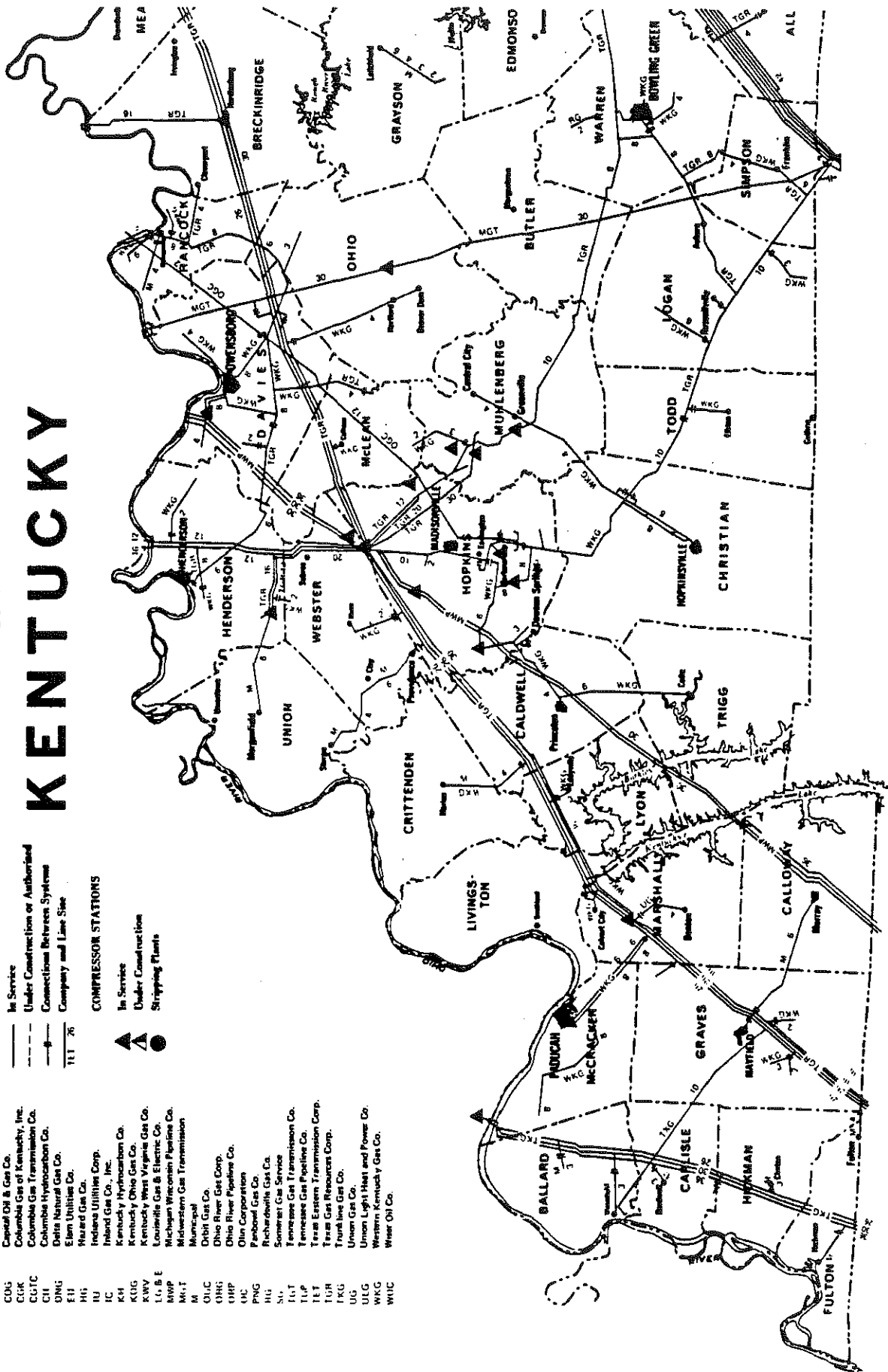


Figure 5: Location of Major Gas Transmission Lines.



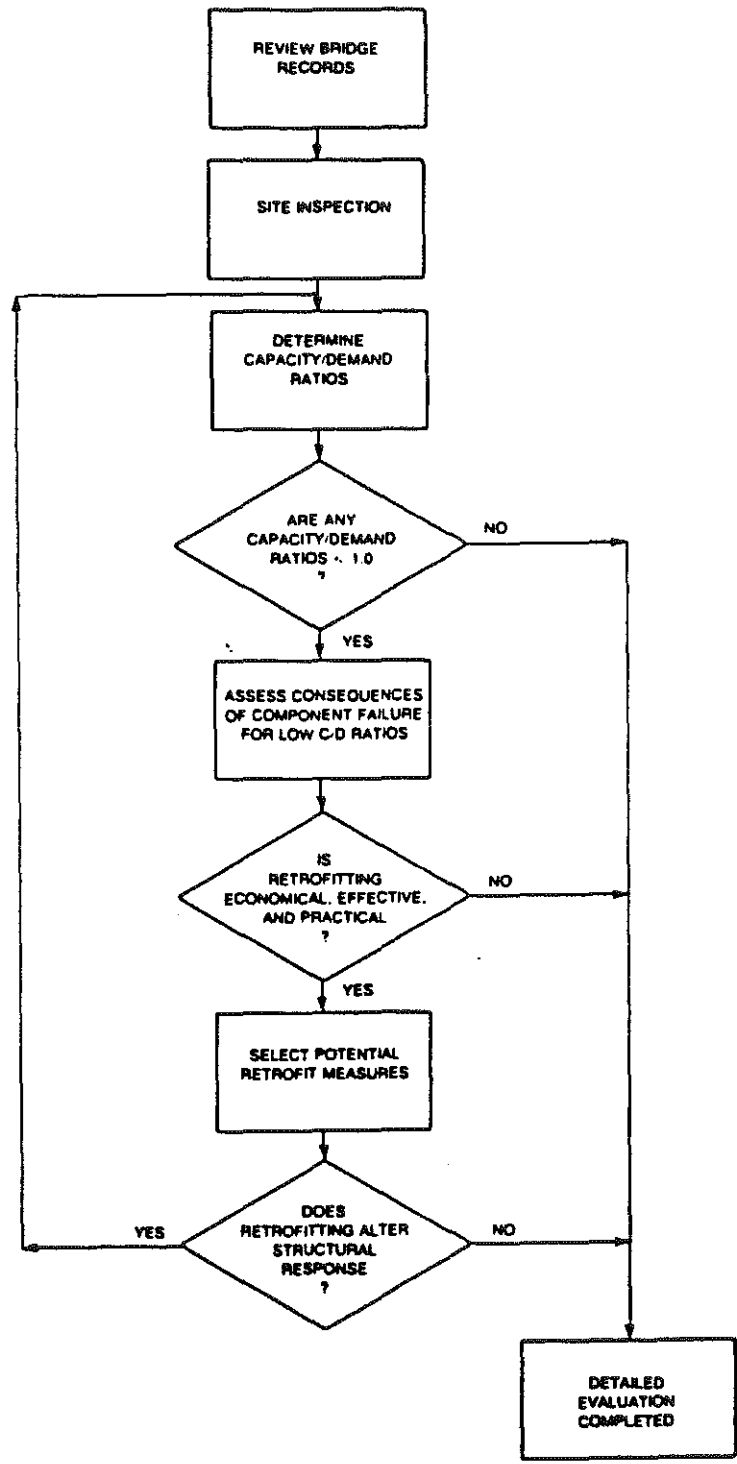


Figure 6: Procedure for Evaluating a Bridge for Seismic Retrofitting.



APPENDIX A

LISTING OF ALL SEISMICALLY SIGNIFICANT  
DATA CATALOGED DURING THIS STUDY

Report by County and Milepoint  
for Audubon Parkway

County	- State	Milepoint	Feature
Daviess	- KY	15.90	Cross Green River
Daviess	- KY	16.10	Fill
Daviess	- KY	17.00	Fill
Daviess	- KY	17.10	Powerline
Daviess	- KY	17.24	Fault - Curdsville Fault
Daviess	- KY	17.30	Powerline
Daviess	- KY	17.77	End Audubon Parkway at Junction KY 1554
Henderson	- KY	10.10	Begin Q-Study on A-Pky
Henderson	- KY	10.80	Fill
Henderson	- KY	11.40	Fill
Henderson	- KY	11.75	Abandoned Gravel Pit
Henderson	- KY	12.30	Fill
Henderson	- KY	12.90	Fill
Henderson	- KY	13.40	Same as 13.8mp (Side Stabilized by DGA)
Henderson	- KY	13.80	Road Slide (East Side Embankment Failure)
Henderson	- KY	14.89	Caved Adit (Approx 1000' South)
Henderson	- KY	15.70	Fill
Henderson	- KY	15.78	Bridge
Henderson	- KY	15.80	Henderson Co - Daviess Co Boundary

Report by County and Milepoint  
for The Trace

County	State	Milepoint	Feature				
Trigg	- KY	25.50	Junction US 68 and KY 80				
Stewart	- TN	0.00	Junction US 79				
Stewart	- TN	0.05	Bridge				
Stewart	- TN	0.05	Tree(s)	# of Trees	30	End mp	0.21
Stewart	- TN	0.66	Tree(s)	# of Trees	50	End mp	1.00
Stewart	- TN	0.70	Cutslope				
Stewart	- TN	0.70	Very Unstable Cutslope				
Stewart	- TN	1.05	Fill				
Stewart	- TN	1.30	Tree(s)	# of Trees	20	End mp	1.50
Stewart	- TN	1.45	Fill				
Stewart	- TN	2.40	Fill				
Stewart	- TN	2.50	Tree(s)	# of Trees	20	End mp	2.90
Stewart	- TN	2.85	Fill				
Stewart	- TN	3.30	Bridge				
Stewart	- TN	3.30	Tree(s)	# of Trees	30	End mp	3.50
Stewart	- TN	3.65	Tree(s)	# of Trees	100	End mp	4.40
Stewart	- TN	4.60	Tree(s)	# of Trees	50	End mp	5.00
Stewart	- TN	5.65	Bridge				
Stewart	- TN	5.90	Tree(s)	# of Trees	35	End mp	6.10
Stewart	- TN	6.40	Fill				
Stewart	- TN	6.60	Tree(s)	# of Trees	5	End mp	6.63
Stewart	- TN	7.30	Bridge				
Stewart	- TN	7.40	Tree(s)	# of Trees	1	End mp	7.40
Stewart	- TN	7.80	Fill				
Stewart	- TN	8.00	Fill				
Stewart	- TN	8.10	Fill				
Stewart	- TN	8.30	Fill				
Stewart	- TN	8.35	Tree(s)	# of Trees	30	End mp	8.40
Stewart	- TN	8.90	Tree(s)	# of Trees	50	End mp	9.20
Stewart	- TN	9.60	Tree(s)	# of Trees	50	End mp	10.10
Stewart	- TN	10.40	Tree(s)	# of Trees	20	End mp	10.50
Stewart	- TN	10.60	Tree(s)	# of Trees	60	End mp	11.10
Stewart	- TN	11.30	Tree(s)	# of Trees	30	End mp	11.50
Stewart	- TN	11.70	Tree(s)	# of Trees	30	End mp	11.90
Stewart	- TN	11.90	Fill				
Stewart	- TN	12.20	Tree(s)	# of Trees	20	End mp	12.40
Stewart	- TN	12.70	Tree(s)	# of Trees	4	End mp	12.70
Stewart	- TN	13.00	Iron Furnance				
Stewart	- TN	13.10	Tree(s)	# of Trees	10	End mp	13.30
Stewart	- TN	13.55	Bridge				
Stewart	- TN	13.60	Tree(s)	# of Trees	35	End mp	13.90
Stewart	- TN	14.40	Fill				
Stewart	- TN	14.70	Fill				
Stewart	- TN	14.80	Fill				
Stewart	- TN	14.90	Fill				
Stewart	- TN	15.10	Fill				
Stewart	- TN	15.10	Tree(s)	# of Trees	50	End mp	16.10
Stewart	- TN	16.10	Tennessee - KY (Trigg Co) Border				

Report by County and Milepoint  
for KY 56

County	- State	Milepoint	Feature
Daviess	- KY	10.60	End KY 56 - Begin KY 1554 Heading North
Daviess	- KY	11.50	Junction KY 279 Heading Nouth
Daviess	- KY	12.50	Junction KY 279 Heading South
Daviess	- KY	12.63	Fault
Daviess	- KY	13.70	Pipeline
Daviess	- KY	13.80	Pipeline
Daviess	- KY	14.00	Pipeline
Daviess	- KY	14.60	Junction KY 81 Heading South
Daviess	- KY	14.60	Begin KY 56 Quake Study in Daviess Co

Report by County and Milepoint  
for KY 58

County	State	Milepoint	Feature
Graves	- KY	0.00	Graves Co - Hickman Co Boundary
Graves	- KY	0.20	Tree(s) # of Trees 30 End mp 0.22
Graves	- KY	0.45	Junction KY 1283 Heading South
Graves	- KY	0.50	Tree(s) # of Trees 10 End mp 0.51
Graves	- KY	0.51	Bridge
Graves	- KY	0.60	Tree(s) # of Trees 10 End mp 0.70
Graves	- KY	0.90	Tree(s) # of Trees 300 End mp 1.50
Graves	- KY	0.95	Quarry
Graves	- KY	1.60	Junction KY 339 Heading Southeast
Graves	- KY	2.10	Tree(s) # of Trees 30 End mp 2.20
Graves	- KY	2.40	Tree(s) # of Trees 1 End mp 2.40
Graves	- KY	2.60	Tree(s) # of Trees 75 End mp 2.80
Graves	- KY	2.83	Bridge
Graves	- KY	3.10	Tree(s) # of Trees 400 End mp 4.20
Graves	- KY	3.90	Fill
Graves	- KY	4.50	Tree(s) # of Trees 20 End mp 4.51
Graves	- KY	4.90	Tree(s) # of Trees 50 End mp 5.10
Graves	- KY	5.10	Fill
Graves	- KY	5.27	Bridge
Graves	- KY	5.30	Fill
Graves	- KY	5.45	Continued from US 45 (10.6 mp)
Hickman	- KY	11.00	City of Clinton
Hickman	- KY	11.20	Tree(s) # of Trees 2 End mp 11.20
Hickman	- KY	12.15	Powerline
Hickman	- KY	12.20	Tree(s) # of Trees 6 End mp 12.21
Hickman	- KY	12.70	Tree(s) # of Trees 8 End mp 12.72
Hickman	- KY	12.80	Tree(s) # of Trees 8 End mp 12.82
Hickman	- KY	12.88	Quarry
Hickman	- KY	13.30	Junction KY 780 Heading South
Hickman	- KY	13.50	Tree(s) # of Trees 20 End mp 13.52
Hickman	- KY	13.60	Tree(s) # of Trees 75 End mp 13.90
Hickman	- KY	14.30	Tree(s) # of Trees 1 End mp 14.30
Hickman	- KY	14.45	Tree(s) # of Trees 15 End mp 14.55
Hickman	- KY	14.56	Tree(s) # of Trees 11 End mp 14.60
Hickman	- KY	14.90	Tree(s) # of Trees 20 End mp 15.10
Hickman	- KY	15.50	Tree(s) # of Trees 2 End mp 15.50
Hickman	- KY	15.80	Junction KY 575 Heading North
Hickman	- KY	16.00	Tree(s) # of Trees 10 End mp 16.01
Hickman	- KY	16.10	Tree(s) # of Trees 1 End mp 16.10
Hickman	- KY	16.30	Tree(s) # of Trees 10 End mp 16.50
Hickman	- KY	16.30	Junction KY 944 Heading South
Hickman	- KY	16.60	Tree(s) # of Trees 200 End mp 16.90
Hickman	- KY	17.50	Junction KY 307 Heading North-South
Hickman	- KY	17.90	Powerline
Hickman	- KY	17.90	Tree(s) # of Trees 20 End mp 17.91
Hickman	- KY	18.96	Tree(s) # of Trees 10 End mp 19.00
Hickman	- KY	19.49	Tree(s) # of Trees 10 End mp 19.50
Hickman	- KY	19.70	Fill
Hickman	- KY	19.80	RR Under Bridge
Hickman	- KY	19.82	Bridge
Hickman	- KY	19.85	Fill
Hickman	- KY	20.20	Tree(s) # of Trees 50 End mp 20.55
Hickman	- KY	20.55	Hickman Co - Graves Co Boundary

Report by County and Milepoint  
for KY 58/KY 80

County	- State	Milepoint	Feature
Graves	- KY	5.40	Junction KY 58-KY 80 Heading East
Graves	- KY	5.50	Building
Graves	- KY	5.70	Building
Graves	- KY	5.70	Downtown Mayfield
Graves	- KY	6.68	Bridge
Graves	- KY	6.80	Powerline
Graves	- KY	7.22	Dam with Fill
Graves	- KY	7.30	Pipeline
Graves	- KY	7.30	Junction KY 1710 Heading North
Graves	- KY	8.08	Tree(s) # of Trees 10 End mp 8.10
Graves	- KY	8.20	Junction KY 131 Heading North
Graves	- KY	9.20	Tree(s) # of Trees 10 End mp 9.40
Graves	- KY	9.75	Tree(s) # of Trees 1 End mp 9.75
Graves	- KY	9.80	Tree(s) # of Trees 1 End mp 9.80
Graves	- KY	9.90	Fill
Graves	- KY	10.60	Tree(s) # of Trees 3 End mp 10.60
Graves	- KY	10.90	Tree(s) # of Trees 20 End mp 11.10
Graves	- KY	11.30	Tree(s) # of Trees 2 End mp 11.30
Graves	- KY	11.40	Tree(s) # of Trees 2 End mp 11.40
Graves	- KY	11.80	Tree(s) # of Trees 2 End mp 11.80
Graves	- KY	11.86	Tree(s) # of Trees 15 End mp 11.90
Graves	- KY	12.10	Tree(s) # of Trees 500 End mp 13.20
Graves	- KY	12.10	Junction KY 301 Heading North
Graves	- KY	12.25	Bridge
Graves	- KY	12.44	Bridge
Graves	- KY	13.50	Tree(s) # of Trees 30 End mp 14.00
Graves	- KY	13.70	Fill
Graves	- KY	14.30	Junction KY 564 Heading South
Graves	- KY	14.40	Powerline
Graves	- KY	14.40	Steel Tower: 100' High, 75' From Road
Graves	- KY	14.50	Tree(s) # of Trees 30 End mp 14.60
Graves	- KY	14.80	Graves Co - Marshall Co Boundary
Marshall	- KY	0.00	Marshall Co - Graves Co Boundary
Marshall	- KY	1.12	Bridge
Marshall	- KY	1.70	Gravel Pit



Report by County and Milepoint  
for KY 80

County	State	Milepoint	Feature
Marshall	- KY	0.00	Junction KY 58/80 - Continue KY 80 East
Marshall	- KY	0.28	Tree(s) # of Trees 6 End mp 0.30
Marshall	- KY	0.40	Tree(s) # of Trees 500 End mp 1.90
Marshall	- KY	0.78	Tree(s) # of Trees 6 End mp 0.80
Marshall	- KY	0.90	Junction KY 1836 Heading Southwest
Marshall	- KY	1.00	Tree(s) # of Trees 20 End mp 1.10
Marshall	- KY	1.40	Junction KY 1522 Heading North & South
Marshall	- KY	1.60	Tree(s) # of Trees 200 End mp 1.90
Marshall	- KY	1.98	Tree(s) # of Trees 8 End mp 2.00
Marshall	- KY	2.60	Tree(s) # of Trees 7 End mp 2.70
Marshall	- KY	2.90	Tree(s) # of Trees 40 End mp 3.90
Marshall	- KY	3.30	Tree(s) # of Trees 20 End mp 3.40
Marshall	- KY	3.40	Junction KY 299 Heading South
Marshall	- KY	3.50	Tree(s) # of Trees 50 End mp 3.60
Marshall	- KY	3.85	Tree(s) # of Trees 40 End mp 3.90
Marshall	- KY	4.90	Tree(s) # of Trees 250 End mp 5.00
Marshall	- KY	4.90	Junction KY 1311 Heading North
Marshall	- KY	5.20	Tree(s) # of Trees 30 End mp 5.30
Marshall	- KY	5.35	Tree(s) # of Trees 50 End mp 5.50
Marshall	- KY	6.10	Tree(s) # of Trees 20 End mp 6.30
Marshall	- KY	6.10	Junction KY 1949 Heading Northwest
Marshall	- KY	6.40	Tree(s) # of Trees 8 End mp 6.70
Marshall	- KY	6.80	Tree(s) # of Trees 20 End mp 7.00
Marshall	- KY	6.80	Junction KY 783 Heading North
Marshall	- KY	6.80	Gravel Pit
Marshall	- KY	7.40	Tree(s) # of Trees 50 End mp 7.80
Marshall	- KY	8.10	Junction KY 641 Heading North-South
Marshall	- KY	8.40	Junction KY 1824 Heading South
Marshall	- KY	8.72	Bridge
Marshall	- KY	8.79	Tree(s) # of Trees 25 End mp 9.00
Marshall	- KY	9.05	Tree(s) # of Trees 1 End mp 9.05
Marshall	- KY	9.20	Powerline
Marshall	- KY	9.67	Bridge
Marshall	- KY	9.80	Tree(s) # of Trees 1000 End mp 10.30
Marshall	- KY	9.86	Bridge
Marshall	- KY	9.89	Bridge
Marshall	- KY	9.90	Bridge
Marshall	- KY	10.30	Junction KY 962 Heading North
Marshall	- KY	10.40	Fill
Marshall	- KY	10.45	Tree(s) # of Trees 100 End mp 10.65
Marshall	- KY	11.55	Tree(s) # of Trees 100 End mp 12.10
Marshall	- KY	11.90	Junction KY 1364 Heading North-South
Marshall	- KY	12.10	Fill
Marshall	- KY	12.52	Bridge
Marshall	- KY	12.60	Fill
Marshall	- KY	13.00	Fill
Marshall	- KY	13.00	Tree(s) # of Trees 300 End mp 14.00
Marshall	- KY	13.70	Fill
Marshall	- KY	14.19	Tree(s) # of Trees 20 End mp 15.25
Marshall	- KY	14.29	Tree(s) # of Trees 10 End mp 14.30
Marshall	- KY	15.06	Bridge
Marshall	- KY	15.26	Tree(s) # of Trees 30 End mp 15.30
Marshall	- KY	15.80	Fill

Report by County and Milepoint  
for KY 80

Continued

County	State	Milepoint	Feature
Marshall	- KY	15.80	Tree(s) # of Trees 2 End mp 15.80
Marshall	- KY	16.00	Tree(s) # of Trees 40 End mp 16.40
Marshall	- KY	16.80	Aurora City
Marshall	- KY	16.80	Junction US 68-Continue East Us 68 Ky 80

Report by County and Milepoint  
for KY 9T

County	State	Milepoint	Feature
Caldwell	- KY	0.00	Caldwell Co - Christian Co Boundary
Caldwell	- KY	0.20	Tree(s) # of Trees 3 End mp 0.20
Caldwell	- KY	0.60	Tree(s) # of Trees 50 End mp 0.80
Caldwell	- KY	1.10	Tree(s) # of Trees 15 End mp 1.20
Caldwell	- KY	1.90	Tree(s) # of Trees 1 End mp 1.90
Caldwell	- KY	2.20	Tree(s) # of Trees 2 End mp 2.20
Caldwell	- KY	2.40	Junction KY 672 Heading NE-SW
Caldwell	- KY	3.71	Fault
Caldwell	- KY	3.75	Fault
Caldwell	- KY	3.82	Fault
Caldwell	- KY	3.98	Fault
Caldwell	- KY	4.18	Fault
Caldwell	- KY	4.40	Tree(s) # of Trees 50 End mp 4.60
Caldwell	- KY	4.51	Fault
Caldwell	- KY	4.90	Tree(s) # of Trees 200 End mp 5.10
Caldwell	- KY	5.50	Tree(s) # of Trees 2 End mp 5.50
Caldwell	- KY	6.10	Tree(s) # of Trees 1 End mp 6.10
Caldwell	- KY	6.50	Tree(s) # of Trees 100 End mp 6.70
Caldwell	- KY	7.00	Tree(s) # of Trees 100 End mp 7.60
Caldwell	- KY	7.79	Bridge
Caldwell	- KY	8.31	Fault
Caldwell	- KY	8.60	Tree(s) # of Trees 200 End mp 9.00
Caldwell	- KY	8.90	Junction KY 128 Heading South
Caldwell	- KY	9.00	Gravel Conveyor
Caldwell	- KY	9.20	Tree(s) # of Trees 20 End mp 9.22
Caldwell	- KY	9.50	Tree(s) # of Trees 40 End mp 9.60
Caldwell	- KY	9.90	Pipeline
Caldwell	- KY	10.10	Tree(s) # of Trees 4 End mp 10.11
Caldwell	- KY	11.30	Tree(s) # of Trees 200 End mp 11.60
Caldwell	- KY	11.30	Junction KY 278 Heading East
Caldwell	- KY	11.80	Radio Tower
Caldwell	- KY	12.20	Powerline
Caldwell	- KY	12.20	Powerline
Caldwell	- KY	12.20	Powerline
Caldwell	- KY	12.24	Bridge
Caldwell	- KY	12.30	Junction Western KY Parkway Heading NE-SE
Caldwell	- KY	12.39	Fault
Caldwell	- KY	12.42	Tabb Fault Area
Caldwell	- KY	12.48	Tabb Fault Area
Caldwell	- KY	12.50	Tree(s) # of Trees 5 End mp 12.50
Caldwell	- KY	12.70	Tree(s) # of Trees 5 End mp 12.70
Caldwell	- KY	12.80	Tree(s) # of Trees 6 End mp 12.80
Caldwell	- KY	12.90	Tree(s) # of Trees 3 End mp 12.90
Caldwell	- KY	13.20	Tree(s) # of Trees 15 End mp 13.30
Caldwell	- KY	13.24	Tabb Fault Area
Caldwell	- KY	13.90	Junction KY 139 Heading South
Caldwell	- KY	13.92	Bridge
Caldwell	- KY	14.00	Tree(s) # of Trees 70 End mp 14.20
Caldwell	- KY	14.50	Tree(s) # of Trees 30 End mp 14.70
Caldwell	- KY	14.57	Bridge
Caldwell	- KY	15.20	Tree(s) # of Trees 20 End mp 15.30
Caldwell	- KY	15.28	Tabb Fault Area
Caldwell	- KY	15.50	Tree(s) # of Trees 200 End mp 16.30

Report by County and Milepoint  
for KY 91

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County	State	Milepoint	Feature
Caldwell	- KY	17.10	Tree(s) # of Trees 3 End mp 17.11
Caldwell	- KY	17.20	Powerline
Caldwell	- KY	17.84	Fault
Caldwell	- KY	18.00	Tree(s) # of Trees 10 End mp 18.01
Caldwell	- KY	18.10	Tree(s) # of Trees 1 End mp 18.10
Caldwell	- KY	18.30	Tree(s) # of Trees 20 End mp 18.40
Caldwell	- KY	18.90	Powerline
Caldwell	- KY	19.80	Cutslope
Caldwell	- KY	19.80	Tree(s) # of Trees 5 End mp 19.82
Caldwell	- KY	20.08	Tree(s) # of Trees 5 End mp 20.60
Caldwell	- KY	20.10	Powerline
Caldwell	- KY	20.40	Tree(s) # of Trees 4 End mp 20.42
Caldwell	- KY	21.00	Pipeline
Caldwell	- KY	21.10	Pipeline
Caldwell	- KY	21.40	Powerline
Caldwell	- KY	22.30	Tree(s) # of Trees 10 End mp 22.38
Caldwell	- KY	22.45	Tree(s) # of Trees 15 End mp 22.88
Caldwell	- KY	23.10	Tree(s) # of Trees 24 End mp 23.30
Caldwell	- KY	23.40	Junction KY 70 Heading Northeast
Caldwell	- KY	23.70	Tree(s) # of Trees 50 End mp 24.10
Caldwell	- KY	23.90	KY 91, KY 70, & US 641 Join in Fredonia
Caldwell	- KY	23.90	Junction US 641
Christian	- KY	0.00	Junction US 68-KY 80 Heading East-West
Christian	- KY	0.00	Hopkinsville
Christian	- KY	0.00	Junction KY 1682
Christian	- KY	0.00	Begin KY 91 Quake Study
Christian	- KY	1.00	Tree(s) # of Trees 20 End mp 1.10
Christian	- KY	1.40	Tree(s) # of Trees 100 End mp 1.50
Christian	- KY	1.90	Tree(s) # of Trees 40 End mp 2.10
Christian	- KY	2.16	Bridge
Christian	- KY	2.34	Fault
Christian	- KY	2.40	Tree(s) # of Trees 500 End mp 4.30
Christian	- KY	3.30	Tree(s) # of Trees 40 End mp 3.50
Christian	- KY	4.40	Tree(s) # of Trees 20 End mp 4.50
Christian	- KY	4.43	Bridge
Christian	- KY	5.01	Abandoned Quarry
Christian	- KY	5.40	Junction KY 1349 Heading Southwest
Christian	- KY	5.80	Tree(s) # of Trees 200 End mp 6.00
Christian	- KY	6.30	Junction KY 1026 Heading Southwest
Christian	- KY	6.40	Tree(s) # of Trees 200 End mp 6.70
Christian	- KY	6.68	Fault
Christian	- KY	6.98	Fault
Christian	- KY	7.80	Fault
Christian	- KY	8.10	Tree(s) # of Trees 20 End mp 8.12
Christian	- KY	8.46	Fault
Christian	- KY	9.00	Junction KY 624 Heading Southwest
Christian	- KY	9.10	Powerline
Christian	- KY	10.40	Tree(s) # of Trees 5 End mp 10.60
Christian	- KY	11.00	Tree(s) # of Trees 100 End mp 11.50
Christian	- KY	11.26	Bridge
Christian	- KY	11.50	Powerline
Christian	- KY	11.70	Junction KY 398 Heading North
Christian	- KY	12.20	Junction KY 124 Heading West

Report by County and Milepoint  
for KY 91

Continued

County	- State	Milepoint	Feature
Christian	- KY	13.07	Bridge
Christian	- KY	13.20	Tree(s) # of Trees 2 End mp 13.20
Christian	- KY	13.60	Tree(s) # of Trees 100 End mp 13.70
Christian	- KY	13.86	Abandoned Limestone Mine or Quarry
Christian	- KY	14.40	Cutslope
Christian	- KY	14.80	Tree(s) # of Trees 9 End mp 14.82
Christian	- KY	15.15	Christian Co - Caldwell Co Boundary

Report by County and Milepoint  
for KY 94

County	State	Milepoint	Feature
Calloway	- KY	0.00	Calloway Co - Graves Co Boundary
Calloway	- KY	1.00	Tree(s) # of Trees 300 End mp 1.60
Calloway	- KY	1.70	Tree(s) # of Trees 20 End mp 1.75
Calloway	- KY	1.77	Bridge
Calloway	- KY	2.00	Tree(s) # of Trees 100 End mp 2.60
Calloway	- KY	2.70	Junction KY 893 Heading North-South
Calloway	- KY	3.00	Tree(s) # of Trees 20 End mp 3.20
Calloway	- KY	3.50	Tree(s) # of Trees 15 End mp 3.52
Calloway	- KY	4.65	Junction KY 299 Heading North
Calloway	- KY	5.10	Tree(s) # of Trees 3 End mp 5.10
Calloway	- KY	5.15	Bridge
Calloway	- KY	5.40	Tree(s) # of Trees 20 End mp 5.60
Calloway	- KY	5.60	Junction KY 783 Heading South
Calloway	- KY	6.10	Junction KY 783 Heading North
Calloway	- KY	6.20	Tree(s) # of Trees 3 End mp 6.20
Calloway	- KY	6.44	Bridge
Calloway	- KY	6.60	Tree(s) # of Trees 40 End mp 6.90
Calloway	- KY	7.30	Tree(s) # of Trees 40 End mp 7.60
Calloway	- KY	7.70	Junction KY 1660 Heading North-South
Calloway	- KY	8.68	Powerline
Calloway	- KY	8.70	Tree(s) # of Trees 500 End mp 9.70
Calloway	- KY	9.80	Tree(s) # of Trees 100 End mp 10.00
Calloway	- KY	9.85	Junction KY 121 Heading NW-SE
Calloway	- KY	9.85	Junction US 641 Heading North-South
Calloway	- KY	10.00	Tree(s) # of Trees 100 End mp 10.40
Calloway	- KY	10.20	Sign
Calloway	- KY	10.30	Building
Calloway	- KY	10.60	Powerline
Calloway	- KY	10.72	Fault
Calloway	- KY	10.99	Fault
Calloway	- KY	10.99	Murray Waste Disposal Plant
Calloway	- KY	11.00	City of Murray
Calloway	- KY	11.07	Bridge
Calloway	- KY	11.10	Powerline
Calloway	- KY	11.10	Fill
Calloway	- KY	11.30	Bridge
Calloway	- KY	11.40	Fill
Calloway	- KY	11.44	Bridge
Calloway	- KY	11.50	Powerline
Calloway	- KY	11.67	Quarry
Calloway	- KY	12.80	Tree(s) # of Trees 10 End mp 12.81
Calloway	- KY	12.90	Junction KY 280 Heading East
Calloway	- KY	13.15	Minnow Pond
Calloway	- KY	13.60	Tree(s) # of Trees 2 End mp 13.60
Calloway	- KY	13.90	Tree(s) # of Trees 2 End mp 13.90
Calloway	- KY	14.80	Tree(s) # of Trees 100 End mp 15.20
Calloway	- KY	14.80	Water Tower 100' ht, 75' from Road
Calloway	- KY	15.50	Tree(s) # of Trees 50 End mp 15.60
Calloway	- KY	15.75	Quarry
Calloway	- KY	15.90	Junction KY 732 Heading East
Calloway	- KY	16.10	Tree(s) # of Trees 25 End mp 16.16
Calloway	- KY	16.49	Bridge
Calloway	- KY	17.10	Bridge

Report by County and Milepoint  
for KY 94

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County	State	Milepoint	Feature
Calloway	- KY	17.10	Tree(s) # of Trees 15 End mp 17.12
Calloway	- KY	17.30	Tree(s) # of Trees 50 End mp 17.50
Calloway	- KY	17.90	Tree(s) # of Trees 70 End mp 18.30
Calloway	- KY	18.08	Gravel Pit
Calloway	- KY	18.40	Tree(s) # of Trees 50 End mp 18.60
Calloway	- KY	18.70	Tree(s) # of Trees 8 End mp 18.80
Calloway	- KY	19.00	Junction KY 464 Heading West
Calloway	- KY	19.30	Tree(s) # of Trees 5 End mp 19.32
Calloway	- KY	19.60	Tree(s) # of Trees 25 End mp 20.20
Calloway	- KY	19.60	Junction KY 1551 Heading West
Calloway	- KY	20.50	Tree(s) # of Trees 40 End mp 21.00
Calloway	- KY	21.00	Junction KY 1346 Heading West
Calloway	- KY	21.05	Gravel Pit
Calloway	- KY	21.10	Tree(s) # of Trees 150 End mp 21.40
Calloway	- KY	21.80	Tree(s) # of Trees 200 End mp 22.00
Calloway	- KY	22.10	Tree(s) # of Trees 75 End mp 22.30
Calloway	- KY	22.50	Tree(s) # of Trees 20 End mp 22.51
Calloway	- KY	22.70	Junction KY 497 Heading East
Calloway	- KY	23.03	Bridge
Calloway	- KY	23.10	Tree(s) # of Trees 60 End mp 23.80
Calloway	- KY	24.00	Fill
Calloway	- KY	24.10	Tree(s) # of Trees 15 End mp 24.11
Calloway	- KY	24.20	Calloway Co - Marshall Co Boundary
Fulton	- KY	14.40	City of Hickman
Fulton	- KY	14.90	Fulton Co High School
Fulton	- KY	15.10	Powerline
Fulton	- KY	15.34	Fault
Fulton	- KY	15.87	Bridge
Fulton	- KY	16.00	Fill
Fulton	- KY	17.22	Bridge
Fulton	- KY	17.70	Fill
Fulton	- KY	17.85	Bridge
Fulton	- KY	18.90	Tree(s) # of Trees 20 End mp 19.10
Fulton	- KY	19.60	Tree(s) # of Trees 20 End mp 19.70
Fulton	- KY	19.70	Pipeline
Fulton	- KY	19.70	Junction KY 1127 Heading South
Fulton	- KY	19.80	Pipeline
Fulton	- KY	19.80	Tree(s) # of Trees 50 End mp 20.30
Fulton	- KY	20.50	Junction KY 1212 Heading South
Fulton	- KY	20.70	Tree(s) # of Trees 50 End mp 20.90
Fulton	- KY	21.40	Tree(s) # of Trees 100 End mp 21.90
Fulton	- KY	22.10	Junction KY 239 Heading North-South
Fulton	- KY	22.40	Tree(s) # of Trees 90 End mp 22.90
Fulton	- KY	22.80	Junction KY 1907 Heading North
Fulton	- KY	23.50	Tree(s) # of Trees 50 End mp 23.80
Fulton	- KY	23.50	Junction KY 781 Heading South
Fulton	- KY	23.90	Tree(s) # of Trees 70 End mp 24.40
Fulton	- KY	24.04	Bridge
Fulton	- KY	24.22	Bridge
Fulton	- KY	24.40	Swamp
Fulton	- KY	24.50	Junction KY 781 Heading North
Fulton	- KY	24.80	Tree(s) # of Trees 15 End mp 25.10
Fulton	- KY	25.15	Tree(s) # of Trees 3 End mp 25.15

Report by County and Milepoint  
for KY 94

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County	State	Milepoint	Feature
Fulton	- KY	25.16	Tree(s) # of Trees 10 End mp 25.20
Fulton	- KY	25.35	Swamp: 10' from Road, 250' along Road
Fulton	- KY	25.52	Bridge
Fulton	- KY	25.90	Tree(s) # of Trees 2 End mp 25.90
Fulton	- KY	26.10	Silo
Fulton	- KY	26.20	Junction KY 1125 Heading South
Fulton	- KY	26.49	Tree(s) # of Trees 10 End mp 26.55
Fulton	- KY	26.60	Junction KY 1125 Heading North
Fulton	- KY	26.70	Tree(s) # of Trees 15 End mp 26.80
Fulton	- KY	27.09	Tree(s) # of Trees 10 End mp 27.15
Fulton	- KY	27.10	Junction KY 1706 Heading South
Fulton	- KY	27.89	Tree(s) # of Trees 10 End mp 27.95
Fulton	- KY	28.15	Junction KY 1901 Heading South
Fulton	- KY	28.40	Tree(s) # of Trees 100 End mp 28.90
Fulton	- KY	29.10	Pond
Fulton	- KY	29.10	Junction US 51 Heading NW-SE
Fulton	- KY	29.15	Fill
Fulton	- KY	29.20	Fill
Fulton	- KY	29.30	Railroad Tracks
Fulton	- KY	29.40	Tree(s) # of Trees 5 End mp 29.50
Fulton	- KY	29.50	Powerline
Fulton	- KY	29.60	Tree(s) # of Trees 5 End mp 29.60
Fulton	- KY	29.70	Tree(s) # of Trees 5 End mp 29.70
Fulton	- KY	29.90	Tree(s) # of Trees 5 End mp 29.90
Fulton	- KY	30.20	Tree(s) # of Trees 50 End mp 30.80
Fulton	- KY	30.80	Fulton Co - Hickman Co Boundary
Graves	- KY	0.00	Powerline
Graves	- KY	0.00	Graves Co - Hickman Co Boundary
Graves	- KY	0.00	Junction US 45 Heading NE-SW
Graves	- KY	0.19	Bridge
Graves	- KY	0.40	Tree(s) # of Trees 100 End mp 0.90
Graves	- KY	0.50	Junction KY 943 Headed South
Graves	- KY	1.25	Tree(s) # of Trees 20 End mp 1.50
Graves	- KY	1.30	Tree(s) # of Trees 40 End mp 1.40
Graves	- KY	1.68	Fill
Graves	- KY	1.68	Tree(s) # of Trees 20 End mp 1.93
Graves	- KY	2.00	Bridge
Graves	- KY	2.10	Tree(s) # of Trees 60 End mp 2.30
Graves	- KY	2.45	Pipeline
Graves	- KY	2.50	Pipeline
Graves	- KY	2.50	Tree(s) # of Trees 4 End mp 2.50
Graves	- KY	2.90	Bridge
Graves	- KY	2.96	Bridge
Graves	- KY	3.70	Fill
Graves	- KY	4.10	Tree(s) # of Trees 40 End mp 4.60
Graves	- KY	4.50	Pond
Graves	- KY	4.65	Fill
Graves	- KY	4.80	Fill
Graves	- KY	4.90	Fill
Graves	- KY	4.90	Tree(s) # of Trees 30 End mp 5.10
Graves	- KY	5.30	Junction KY 129 Heading North
Graves	- KY	5.40	Tree(s) # of Trees 10 End mp 5.41
Graves	- KY	5.60	Junction KY 129 Heading South



Report by County and Milepoint  
for KY 94

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County	State	Milepoint	Feature
Graves	- KY	5.80	Power Lines Parallel to road to 4.8 mp
Graves	- KY	6.80	Powerline
Graves	- KY	6.90	Tree(s) # of Trees 20 End mp 6.95
Graves	- KY	7.20	Tree(s) # of Trees 20 End mp 7.25
Graves	- KY	7.70	Tree(s) # of Trees 30 End mp 7.80
Graves	- KY	7.80	Powerline
Graves	- KY	8.00	Tree(s) # of Trees 20 End mp 8.10
Graves	- KY	8.00	Junction KY 385 Heading North-South
Graves	- KY	8.40	Powerline
Graves	- KY	8.50	Tree(s) # of Trees 1 End mp 8.50
Graves	- KY	8.50	Junction KY 385 Heading South
Graves	- KY	9.30	Tree(s) # of Trees 4 End mp 9.31
Graves	- KY	9.50	Tree(s) # of Trees 10 End mp 9.51
Graves	- KY	9.70	Tree(s) # of Trees 2 End mp 9.70
Graves	- KY	9.70	Radio Tower (200' High)
Graves	- KY	10.50	Junction KY 303 Heading North-South
Graves	- KY	11.30	Tree(s) # of Trees 90 End mp 11.60
Graves	- KY	13.00	Tree(s) # of Trees 12 End mp 13.10
Graves	- KY	13.50	Junction KY 1382 Heading Southwest
Graves	- KY	13.70	Tree(s) # of Trees 12 End mp 13.72
Graves	- KY	13.90	Tree(s) # of Trees 12 End mp 14.00
Graves	- KY	14.10	Junction KY 381 Heading North
Graves	- KY	14.20	Tree(s) # of Trees 6 End mp 14.20
Graves	- KY	14.60	Tree(s) # of Trees 20 End mp 14.65
Graves	- KY	15.10	Tree(s) # of Trees 50 End mp 15.40
Graves	- KY	15.40	Fill
Graves	- KY	15.50	Tree(s) # of Trees 40 End mp 15.70
Graves	- KY	15.75	Junction KY 83 Heading West
Graves	- KY	15.84	Gravel Pit
Graves	- KY	16.20	Tree(s) # of Trees 8 End mp 16.25
Graves	- KY	16.65	Tree(s) # of Trees 6 End mp 16.65
Graves	- KY	17.20	Junction KY 97 Heading NW-SE
Graves	- KY	17.30	Tree(s) # of Trees 20 End mp 17.50
Graves	- KY	17.70	Junction KY 564 Heading North
Graves	- KY	17.75	Tree(s) # of Trees 15 End mp 17.90
Graves	- KY	18.00	Tree(s) # of Trees 2 End mp 18.00
Graves	- KY	18.10	Powerline
Graves	- KY	18.10	Steel Electrical Tower
Graves	- KY	18.15	Tree(s) # of Trees 10 End mp 18.25
Graves	- KY	18.50	Tree(s) # of Trees 10 End mp 18.51
Graves	- KY	18.70	Tree(s) # of Trees 25 End mp 18.75
Graves	- KY	19.00	Tree(s) # of Trees 10 End mp 19.01
Graves	- KY	19.10	Tree(s) # of Trees 1 End mp 19.10
Graves	- KY	19.30	Tree(s) # of Trees 20 End mp 19.40
Graves	- KY	19.65	Quarry
Graves	- KY	19.70	Graves Co - Calloway Co Boundary
Hickman	- KY	0.00	Tree(s) # of Trees 60 End mp 0.30
Hickman	- KY	0.00	Hickman Co - Fulton Co Boundary
Hickman	- KY	0.24	Bridge
Hickman	- KY	0.40	Tree(s) # of Trees 60 End mp 0.80
Hickman	- KY	0.40	Junction KY 307 Heading South
Hickman	- KY	1.00	Tree(s) # of Trees 1 End mp 1.00
Hickman	- KY	1.20	Tree(s) # of Trees 40 End mp 1.50

Report by County and Milepoint  
for KY 94

Continued

County	- State	Milepoint	Feature
Hickman	- KY	1.55	Tree(s) # of Trees 20 End mp 1.70
Hickman	- KY	1.75	Powerline
Hickman	- KY	1.85	Fill
Hickman	- KY	2.01	Bridge
Hickman	- KY	2.10	Fill
Hickman	- KY	2.20	Tree(s) # of Trees 100 End mp 2.40
Hickman	- KY	2.50	US 45 Breaks away from KY 94 Heading SW
Marshall	- KY	0.00	Tree(s) # of Trees 30 End mp 0.30
Marshall	- KY	0.00	Marshall Co - Calloway Co Boundary
Marshall	- KY	0.40	Fill
Marshall	- KY	0.70	Tree(s) # of Trees 50 End mp 1.10
Marshall	- KY	1.20	Tree(s) # of Trees 50 End mp 1.60
Marshall	- KY	1.60	Fill
Marshall	- KY	1.70	Junction US 68/KY 80 Heading Northeast

Report by County and Milepoint  
for KY 109

County	State	Milepoint	Feature
Hopkins	- KY	2.93	Crabtree Fault
Hopkins	- KY	3.00	City of Dawson Springs
Hopkins	- KY	3.25	Junction US 62 Heading East
Hopkins	- KY	3.42	Fault
Hopkins	- KY	3.80	Junction Western KY Parkway Heading NE-SW
Hopkins	- KY	3.81	Bridge
Hopkins	- KY	4.10	Tree(s) # of Trees 200 End mp 4.50
Hopkins	- KY	4.22	Union Grove Fault
Hopkins	- KY	4.50	Bridge
Hopkins	- KY	4.73	Fault
Hopkins	- KY	4.90	Powerline
Hopkins	- KY	4.90	Fault
Hopkins	- KY	5.35	Bishop Fault
Hopkins	- KY	5.40	Tree(s) # of Trees 100 End mp 5.5
Hopkins	- KY	5.75	Strip Mines - (5.75 to 7.84) mp
Hopkins	- KY	6.49	Bridge
Hopkins	- KY	6.60	Powerline
Hopkins	- KY	6.70	Tree(s) # of Trees 50 End mp 6.73
Hopkins	- KY	7.24	Bridge
Hopkins	- KY	7.36	Shaft (Inclined)
Hopkins	- KY	7.50	Tree(s) # of Trees 200 End mp 8.20
Hopkins	- KY	8.04	Strip Mine (8.04 to 8.43) mp
Hopkins	- KY	8.36	Retention Pond
Hopkins	- KY	8.40	Tree(s) # of Trees 30 End mp 8.60
Hopkins	- KY	8.55	Abandoned Inclined Shaft
Hopkins	- KY	8.81	Fault
Hopkins	- KY	9.02	Fault
Hopkins	- KY	9.06	Fault
Hopkins	- KY	9.15	Inclined Shaft
Hopkins	- KY	9.21	Strip Mine
Hopkins	- KY	9.34	Inclined Shaft
Hopkins	- KY	9.40	Junction KY 70 Heading East-West
Hopkins	- KY	9.55	Abandoned Vertical Shaft
Hopkins	- KY	9.60	Tree(s) # of Trees 200 End mp 10.20
Hopkins	- KY	9.63	Fault
Hopkins	- KY	9.63	Strip Mine(0.0-10.25) mp
Hopkins	- KY	10.90	Junction KY 502 Heading West
Hopkins	- KY	10.90	City of Beulah
Hopkins	- KY	12.40	Tree(s) # of Trees 200 End mp 12.80
Hopkins	- KY	13.60	Tree(s) # of Trees 50 End mp 13.66
Hopkins	- KY	13.70	Junction KY 291 Heading West
Hopkins	- KY	14.10	Stony Point Church Fault
Hopkins	- KY	14.13	Strip Mine
Hopkins	- KY	14.26	Abandoned Inclined Shaft
Hopkins	- KY	14.50	Fill
Hopkins	- KY	14.50	Swampy Land Along Sides of Road
Hopkins	- KY	14.51	Rose Creek Fault
Hopkins	- KY	14.74	Bridge
Hopkins	- KY	14.80	Fill
Hopkins	- KY	15.10	Junction KY 1034 Heading East
Hopkins	- KY	15.60	Tree(s) # of Trees 200 End mp 16.26
Hopkins	- KY	15.86	Stony Point Mines Fault
Hopkins	- KY	16.20	Cutslope

Report by County and Milepoint  
for KY 109

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County	State	Milepoint	Feature
Hopkins	- KY	16.24	Shady Grove Fault
Hopkins	- KY	16.30	Fill
Hopkins	- KY	16.30	Swampy Land - 1000 feet Along Road
Hopkins	- KY	16.39	Bridge
Hopkins	- KY	16.40	Fill
Hopkins	- KY	17.20	Junction KY 814 Heading North
Hopkins	- KY	17.60	Powerline
Hopkins	- KY	17.80	Pipeline
Hopkins	- KY	17.90	Tree(s) # of Trees 150 End mp 18.38
Hopkins	- KY	18.11	Abandoned Inclined Shafts
Hopkins	- KY	18.30	Hopkins Co - Webster Co Boundary
Union	- KY	0.00	Tree(s) # of Trees 20 End mp 0.10
Union	- KY	0.00	Union Co - Webster Co Boundary
Union	- KY	0.10	Tree(s) # of Trees 200 End mp 0.50
Union	- KY	1.15	Tree(s) # of Trees 10 End mp 1.16
Union	- KY	1.50	US 60 Joins KY 109 @ Sullivan
Webster	- KY	0.00	Webster Co - Hopkins Co Boundary
Webster	- KY	0.00	City of Providence
Webster	- KY	0.15	Powerline
Webster	- KY	0.35	Pipeline
Webster	- KY	0.40	Tree(s) # of Trees 30 End mp 0.70
Webster	- KY	1.03	Bridge
Webster	- KY	1.03	Mining Shaft (West of Road, 1300')
Webster	- KY	1.30	Junction KY 293 Heading Southwest
Webster	- KY	1.35	Junction KY 120 Northeast-West
Webster	- KY	1.80	Pipeline
Webster	- KY	1.88	Shafts North & South
Webster	- KY	2.18	Strip Mining
Webster	- KY	2.80	Junction KY 670 Heading East
Webster	- KY	3.10	Powerline
Webster	- KY	5.50	Junction KY 143 Heading West
Webster	- KY	6.16	Strip Mining
Webster	- KY	6.96	Mining Shaft (400' West of Road)
Webster	- KY	7.20	Tree(s) # of Trees 50 End mp 7.40
Webster	- KY	7.33	Bridge
Webster	- KY	7.60	Powerline
Webster	- KY	8.00	City of Clay
Webster	- KY	8.40	Building
Webster	- KY	8.40	Junction KY 132 Heading Southwest
Webster	- KY	8.40	5 Buildings at this Location
Webster	- KY	9.60	Tree(s) # of Trees 300 End mp 10.60
Webster	- KY	9.80	Powerline
Webster	- KY	10.50	Powerline
Webster	- KY	10.72	Bridge
Webster	- KY	11.00	Mine
Webster	- KY	11.56	Strip Mining
Webster	- KY	11.80	Tree(s) # of Trees 200 End mp 11.84
Webster	- KY	12.50	Tree(s) # of Trees 100 End mp 12.80
Webster	- KY	13.00	Junction KY 143 Heading South
Webster	- KY	13.10	Tree(s) # of Trees 25 End mp 13.12
Webster	- KY	14.60	Webster Co Ends - Begin Union Co

Report by County and Milepoint  
for KY 121

County	State	Milepoint	Feature
Ballard	- KY	0.00	Bridge
Ballard	- KY	0.00	Ballard Co - Carlisle Co Boundary
Ballard	- KY	0.90	Tree(s) # of Trees 200 End mp 1.90
Ballard	- KY	1.40	Junction KY 802 Heading North
Ballard	- KY	2.27	Gravel Pit
Ballard	- KY	2.50	Gravel Pit
Ballard	- KY	3.15	Bridge
Ballard	- KY	3.20	Tree(s) # of Trees 20 End mp 3.21
Ballard	- KY	4.50	Tree(s) # of Trees 5 End mp 4.51
Ballard	- KY	4.60	Tree(s) # of Trees 5 End mp 4.61
Ballard	- KY	4.80	Open Pit Sand Quarry
Ballard	- KY	4.85	Tree(s) # of Trees 50 End mp 5.00
Ballard	- KY	5.30	Bridge
Ballard	- KY	5.30	Tree(s) # of Trees 70 End mp 5.60
Ballard	- KY	5.70	Tree(s) # of Trees 50 End mp 5.90
Ballard	- KY	6.03	Gravel Pit
Ballard	- KY	6.20	Tree(s) # of Trees 10 End mp 6.21
Ballard	- KY	6.30	Gravel Pit
Ballard	- KY	6.40	Tree(s) # of Trees 1 End mp 6.41
Ballard	- KY	6.60	Tree(s) # of Trees 200 End mp 7.90
Ballard	- KY	6.70	Fill
Ballard	- KY	6.90	Powerline
Ballard	- KY	7.30	Fill
Ballard	- KY	7.50	Powerline
Ballard	- KY	7.70	Fill
Ballard	- KY	8.00	City of Wickliffe
Ballard	- KY	8.00	Junction US 60, 62, & 51
Calloway	- KY	14.60	Junction US 641 Heading North-South
Calloway	- KY	15.10	Powerline
Calloway	- KY	15.25	Quarry
Calloway	- KY	15.40	City of Murray
Calloway	- KY	16.70	Tree(s) # of Trees 30 End mp 16.80
Calloway	- KY	16.70	Junction KY 660 Heading North
Calloway	- KY	17.30	Junction KY 783 Heading North
Calloway	- KY	17.50	Tree(s) # of Trees 30 End mp 17.80
Calloway	- KY	18.40	Tree(s) # of Trees 20 End mp 18.60
Calloway	- KY	18.40	Junction KY 783 Heading South
Calloway	- KY	18.70	Tree(s) # of Trees 4 End mp 18.70
Calloway	- KY	18.80	Tree(s) # of Trees 20 End mp 18.85
Calloway	- KY	19.20	Tree(s) # of Trees 12 End mp 19.21
Calloway	- KY	19.40	Junction KY 299 Heading North
Calloway	- KY	19.60	Tree(s) # of Trees 12 End mp 19.61
Calloway	- KY	19.85	Junction KY 299 Heading West
Calloway	- KY	20.60	Fill
Calloway	- KY	20.60	Tree(s) # of Trees 5 End mp 20.62
Calloway	- KY	21.00	Tree(s) # of Trees 70 End mp 21.30
Calloway	- KY	21.57	Bridge
Calloway	- KY	22.20	Junction KY 1836 Heading South
Calloway	- KY	22.70	Tree(s) # of Trees 15 End mp 22.80
Calloway	- KY	22.90	Tree(s) # of Trees 10 End mp 22.91
Calloway	- KY	22.90	Junction KY 1836 Heading North
Calloway	- KY	23.15	Tree(s) # of Trees 20 End mp 23.40
Calloway	- KY	23.50	Fill

Report by County and Milepoint  
for KY 121

Continued

County	State	Milepoint	Feature
Calloway	- KY	23.90	Pipeline
Calloway	- KY	23.90	Fill
Calloway	- KY	24.60	Powerline
Calloway	- KY	24.80	Pipeline
Calloway	- KY	24.81	Junction KY 893 Heading North-South
Calloway	- KY	24.81	Calloway Co - Graves Co Boundary
Carlisle	- KY	0.00	Carlisle Co - Graves Co Boundary
Carlisle	- KY	0.05	Fill
Carlisle	- KY	0.20	Fill
Carlisle	- KY	0.40	Fill
Carlisle	- KY	1.20	Fill
Carlisle	- KY	2.50	Fill
Carlisle	- KY	2.70	Fill
Carlisle	- KY	2.85	Fill
Carlisle	- KY	2.85	Pond 50'X 50', 30' From Road
Carlisle	- KY	2.90	Powerline
Carlisle	- KY	3.30	Junction KY 307 Heading North-South
Carlisle	- KY	4.20	Fill
Carlisle	- KY	4.50	Fill
Carlisle	- KY	4.80	Fill
Carlisle	- KY	4.90	Fill
Carlisle	- KY	5.10	Fill
Carlisle	- KY	5.10	Pond 50'X 75', 30' Along Road
Carlisle	- KY	5.30	Tree(s) # of Trees 5 End mp 5.31
Carlisle	- KY	6.40	Tree(s) # of Trees 100 End mp 6.80
Carlisle	- KY	6.75	Gravel Pit - Ends @ 6.46 mp
Carlisle	- KY	7.00	Tree(s) # of Trees 100 End mp 7.90
Carlisle	- KY	7.30	Junction US 62 Heading NE-SW
Carlisle	- KY	8.30	Tree(s) # of Trees 5 End mp 8.30
Carlisle	- KY	8.30	Swamp
Carlisle	- KY	8.65	Junction KY 1628 Heading East
Carlisle	- KY	9.10	Bridge
Carlisle	- KY	9.10	Tree(s) # of Trees 250 End mp 9.70
Carlisle	- KY	9.20	Pipeline
Carlisle	- KY	9.38	Bridge
Carlisle	- KY	9.40	Pipeline
Carlisle	- KY	9.60	Swamp
Carlisle	- KY	9.70	Carlisle Co - Ballard Co Boundary
Graves	- KY	0.00	Graves Co - Calloway Co Boundary
Graves	- KY	0.10	Powerline
Graves	- KY	0.10	Electrical Junction Station
Graves	- KY	0.20	Tree(s) # of Trees 12 End mp 0.21
Graves	- KY	0.70	Tree(s) # of Trees 30 End mp 0.80
Graves	- KY	1.20	Tree(s) # of Trees 25 End mp 1.30
Graves	- KY	1.40	Tree(s) # of Trees 3 End mp 1.41
Graves	- KY	1.60	Junction KY 564 Heading North
Graves	- KY	1.90	Fill
Graves	- KY	1.90	Tree(s) # of Trees 3 End mp 1.91
Graves	- KY	2.30	Junction KY 564 Heading South
Graves	- KY	2.40	Tree(s) # of Trees 10 End mp 2.42
Graves	- KY	3.00	Tree(s) # of Trees 200 End mp 3.50
Graves	- KY	3.60	2 Grain Silos, 50' High
Graves	- KY	3.78	Gravel Pit

Report by County and Milepoint  
for KY 121

Continued

County	- State	Milepoint	Feature
Graves	- KY	4.00	Junction KY 1890 Heading West
Graves	- KY	4.20	Powerline
Graves	- KY	4.20	Tree(s) # of Trees 15 End mp 4.40
Graves	- KY	4.70	Tree(s) # of Trees 10 End mp 4.71
Graves	- KY	5.20	Powerline
Graves	- KY	5.30	Tree(s) # of Trees 50 End mp 5.50
Graves	- KY	5.35	Pond 50'X 80',30' from Road
Graves	- KY	5.67	Abandoned Clay Pits
Graves	- KY	5.80	Tree(s) # of Trees 30 End mp 5.90
Graves	- KY	6.10	Junction KY 1124 Heading East
Graves	- KY	6.30	Tree(s) # of Trees 20 End mp 6.32
Graves	- KY	6.60	Junction CO 2205
Graves	- KY	6.70	Tree(s) # of Trees 3 End mp 6.71
Graves	- KY	7.10	Junction KY 940 Heading North-South
Graves	- KY	7.60	Tree(s) # of Trees 25 End mp 7.61
Graves	- KY	7.96	Bridge
Graves	- KY	8.00	Tree(s) # of Trees 150 End mp 8.40
Graves	- KY	8.14	Bridge
Graves	- KY	8.17	Underground Pipeline 26"
Graves	- KY	8.27	Bridge
Graves	- KY	8.70	Junction KY 97 Heading South
Graves	- KY	8.75	Bridge
Graves	- KY	8.90	Powerline
Graves	- KY	9.05	City of Mayfield
Graves	- KY	9.60	Radio Tower 150' High, 30' from Road
Graves	- KY	9.70	Junction KY 303 Heading South
Graves	- KY	10.30	Junction KY 464 Heading West
Graves	- KY	10.70	Junction KY 58/80 Heading NE-SW
Graves	- KY	11.73	Bridge
Graves	- KY	11.80	Purchase Parkway
Graves	- KY	12.00	City of Mayfield
Graves	- KY	12.23	Pond with Dam
Graves	- KY	12.30	Tree(s) # of Trees 12 End mp 12.31
Graves	- KY	12.60	Junction KY 1890 Heading West
Graves	- KY	13.10	Tree(s) # of Trees 12 End mp 14.11
Graves	- KY	13.80	Fill
Graves	- KY	14.10	Tree(s) # of Trees 12 End mp 14.15
Graves	- KY	14.30	Tree(s) # of Trees 12 End mp 14.31
Graves	- KY	14.50	Junction KY 1276 Heading East-West
Graves	- KY	15.30	Junction KY 440 Heading North-West
Graves	- KY	16.10	Fill
Graves	- KY	17.70	Fill
Graves	- KY	18.20	Tree(s) # of Trees 7 End mp 18.21
Graves	- KY	18.50	Pond with Dam
Graves	- KY	18.70	Tree(s) # of Trees 7 End mp 18.71
Graves	- KY	18.80	Fill
Graves	- KY	19.10	Junction KY 1213 Heading North-South
Graves	- KY	19.20	Fill
Graves	- KY	20.00	Tree(s) # of Trees 35 End mp 20.50
Graves	- KY	20.19	Bridge
Graves	- KY	20.70	Junction KY 339 Heading North-South
Graves	- KY	21.50	Tree(s) # of Trees 20 End mp 21.51
Graves	- KY	21.70	Fill

Report by County and Milepoint  
for KY 121

Continued

County	-	State	Milepoint	Feature
Graves	-	KY	21.70	Collapsed Shoulder on South-Bound Lane
Graves	-	KY	22.00	Fill
Graves	-	KY	22.30	Fill
Graves	-	KY	22.60	Graves Co - Carlisle Co Boundary



Report by County and Milepoint  
for KY 125

County	- State	Milepoint	Feature
Fulton	- KY	1.70	Junction KY 166 Heading East
Fulton	- KY	2.36	Tree(s) # of Trees 20 End mp 2.40
Fulton	- KY	2.40	Junction KY 1128 Heading East-West
Fulton	- KY	2.80	Tree(s) # of Trees 2 End mp 2.80
Fulton	- KY	3.07	Tree(s) # of Trees 10 End mp 3.10
Fulton	- KY	3.10	Junction KY 1129 Heading East
Fulton	- KY	4.17	Tree(s) # of Trees 10 End mp 4.20
Fulton	- KY	4.35	Fault
Fulton	- KY	4.80	Tree(s) # of Trees 30 End mp 5.00
Fulton	- KY	5.10	Powerline
Fulton	- KY	5.20	City of Hickman
Fulton	- KY	5.37	Junction KY 1099 & Ky 94 Bypass
Fulton	- KY	5.70	Tree(s) # of Trees 30 End mp 5.80

Report by County and Milepoint  
for KY 130

County	- State	Milepoint	Feature
Union	- KY	9.65	Morganfield City Limits
Union	- KY	9.65	Junction Us 60
Union	- KY	9.70	Railroad Crossing
Union	- KY	9.80	Tree(s) # of Trees 20 End mp 9.80
Union	- KY	9.82	Powerline
Union	- KY	10.18	Powerline
Union	- KY	11.10	Tree(s) # of Trees 2 End mp 11.10
Union	- KY	11.40	Tree(s) # of Trees 1 End mp 0.00
Union	- KY	11.70	Tank
Union	- KY	12.54	Bridge
Union	- KY	12.55	Pipeline
Union	- KY	12.80	Junction KY 666
Union	- KY	13.47	Bridge
Union	- KY	13.85	Tree(s) # of Trees 3 End mp 13.85
Union	- KY	14.10	Junction KY 141
Union	- KY	14.70	Powerline
Union	- KY	15.00	Pipeline
Union	- KY	15.01	Uniontown City Limits
Union	- KY	15.29	Cutslope
Union	- KY	15.30	Fill

Report by County and Milepoint  
for KY 136

County	State	Milepoint	Feature
McClellan	- KY	12.90	Junction KY 81 Heading Northeast
McClellan	- KY	12.90	City of Calhoun
McClellan	- KY	12.90	Begin KY 136 Quake Study
McClellan	- KY	13.05	Fill
McClellan	- KY	13.15	Fill
McClellan	- KY	13.20	Swampy Area
McClellan	- KY	13.30	Pipeline
McClellan	- KY	13.35	Fault
McClellan	- KY	13.60	Tank
McClellan	- KY	14.80	Junction KY 250 Heading North
McClellan	- KY	15.50	Tank
McClellan	- KY	15.50	Tree(s) # of Trees 10 End mp 15.55
McClellan	- KY	15.52	Fault
McClellan	- KY	16.30	Tree(s) # of Trees 10 End mp 16.31
McClellan	- KY	16.40	Grain Silo
McClellan	- KY	16.41	Fault
McClellan	- KY	16.45	Pond: 42' from Road, (400 x 200)'
McClellan	- KY	17.05	Fill
McClellan	- KY	17.11	Fault
McClellan	- KY	17.13	Bridge
McClellan	- KY	17.15	Fill
McClellan	- KY	18.20	Tree(s) # of Trees 5 End mp 18.21
McClellan	- KY	18.45	Tank
McClellan	- KY	18.74	Fault
McClellan	- KY	19.15	Fill
McClellan	- KY	19.17	Bridge
McClellan	- KY	19.25	Fill
McClellan	- KY	19.31	Tree(s) # of Trees 200 End mp 19.70
McClellan	- KY	19.45	Pipeline
McClellan	- KY	19.45	Gas Shutoff Valve 300' South of Road
McClellan	- KY	19.70	Pond: 25' From Road, (150 x 200)'
McClellan	- KY	19.72	Fault
McClellan	- KY	19.90	Fill
McClellan	- KY	20.10	Caved Mine Adits
McClellan	- KY	20.63	Fault
McClellan	- KY	20.85	Fill
McClellan	- KY	20.88	Bridge
McClellan	- KY	20.95	Fill
McClellan	- KY	20.96	Fault
McClellan	- KY	21.50	Tree(s) # of Trees 50 End mp 21.70
McClellan	- KY	21.70	Fill
McClellan	- KY	21.70	City of Livermore
McClellan	- KY	22.40	Tree(s) # of Trees 100 End mp 23.10
McClellan	- KY	22.50	Junction US 431 Heading North-South
McClellan	- KY	23.40	Crude Oil Tank
McClellan	- KY	23.60	Pipeline
McClellan	- KY	23.80	Fill
McClellan	- KY	24.10	Fill
McClellan	- KY	24.20	Tree(s) # of Trees 100 End mp 23.90
McClellan	- KY	24.30	Powerline
McClellan	- KY	24.35	Pond: 60' from Road, (100 x 100)'
McClellan	- KY	24.90	Fill
McClellan	- KY	25.00	Cutslope

Report by County and Milepoint  
for KY 136

Continued

County	State	Milepoint	Feature
McClean	- KY	25.10	Fill
McClean	- KY	25.40	Fill
McClean	- KY	25.70	Tree(s) # of Trees 50 End mp 25.80
McClean	- KY	25.80	Junction KY 1080 Heading West
McClean	- KY	25.80	McLean Co - Ohio Co Boundary
Ohio	- KY	0.05	Tree(s) # of Trees 50 End mp .30
Ohio	- KY	0.15	Fault
Ohio	- KY	1.05	Fill
Ohio	- KY	1.06	Bridge
Ohio	- KY	1.15	Powerline
Ohio	- KY	1.15	Fill
Ohio	- KY	1.50	Tree(s) # of Trees 100 End mp 1.90
Ohio	- KY	2.00	Tree(s) # of Trees 200 End mp 3.50
Ohio	- KY	2.20	Fill
Ohio	- KY	2.42	Fault
Ohio	- KY	2.80	Lumber Mill
Ohio	- KY	3.18	Caved Mine Adit
Ohio	- KY	3.20	Fill
Ohio	- KY	3.34	Bridge
Ohio	- KY	3.90	Tree(s) # of Trees 20 End mp 4.10
Ohio	- KY	4.15	Tree(s) # of Trees 3 End mp 4.15
Ohio	- KY	4.58	Fault
Ohio	- KY	4.80	Tree(s) # of Trees 5 End mp 4.81
Ohio	- KY	5.67	Bridge
Ohio	- KY	5.75	Fill
Ohio	- KY	5.95	Fill
Ohio	- KY	6.01	Bridge
Ohio	- KY	6.05	Fill
Ohio	- KY	6.05	Tree(s) # of Trees 20 End mp 6.15
Ohio	- KY	6.50	Small Pond
Ohio	- KY	7.30	Tree(s) # of Trees 50 End mp 7.40
Ohio	- KY	7.45	Fill
Ohio	- KY	7.50	Cutslope
Ohio	- KY	7.70	Small Ponds
Ohio	- KY	8.50	Tree(s) # of Trees 8 End mp 8.51
Ohio	- KY	8.80	Pipeline
Ohio	- KY	8.85	Tree(s) # of Trees 20 End mp 8.86
Ohio	- KY	9.20	Powerline
Ohio	- KY	9.50	Junction US 231 Heading NW-SE
Ohio	- KY	9.50	End KY 136 Quake Study

Report by County and Milepoint  
for KY 166

County	- State	Milepoint	Feature
Fulton	- KY	0.00	KY 125 Joins KY 166 (Begin KY 166)
Fulton	- KY	0.20	Tree(s) # of Trees 20 End mp .24
Fulton	- KY	0.80	Tree(s) # of Trees 100 End mp 1.10
Fulton	- KY	1.00	Junction KY 116 Heading South
Fulton	- KY	1.50	Tree(s) # of Trees 5 End mp 2.10
Fulton	- KY	2.09	Bridge
Fulton	- KY	2.10	Tree(s) # of Trees 5 End mp 2.10
Fulton	- KY	2.30	Pipeline
Fulton	- KY	2.40	Pipeline
Fulton	- KY	2.50	Tree(s) # of Trees 8 End mp 2.51
Fulton	- KY	2.80	Tree(s) # of Trees 12 End mp 2.83
Fulton	- KY	3.05	Junction KY 1127 Heading North-South
Fulton	- KY	3.50	Tree(s) # of Trees 3 End mp 3.51
Fulton	- KY	3.70	Tree(s) # of Trees 40 End mp 3.90
Fulton	- KY	4.40	Tree(s) # of Trees 30 End mp 4.60
Fulton	- KY	4.80	Tree(s) # of Trees 1 End mp 4.80
Fulton	- KY	5.10	Junction KY 239 Heading North-South
Fulton	- KY	5.40	Tree(s) # of Trees 20 End mp 5.50
Fulton	- KY	6.10	Tree(s) # of Trees 100 End mp 6.70
Fulton	- KY	6.60	Junction KY 781 Heading North-South
Fulton	- KY	7.10	Tree(s) # of Trees 2 End mp 7.10
Fulton	- KY	7.70	Tree(s) # of Trees 7 End mp 7.71
Fulton	- KY	7.80	Tree(s) # of Trees 7 End mp 7.81
Fulton	- KY	8.00	Tree(s) # of Trees 2 End mp 8.00
Fulton	- KY	8.20	Tree(s) # of Trees 20 End mp 8.30
Fulton	- KY	8.70	Tree(s) # of Trees 70 End mp 8.90
Fulton	- KY	8.90	Junction KY 1125 Heading North
Fulton	- KY	9.03	Bridge
Fulton	- KY	9.20	Tree(s) # of Trees 10 End mp 9.20
Fulton	- KY	9.30	Tree(s) # of Trees 2 End mp 9.30
Fulton	- KY	9.80	Tree(s) # of Trees 10 End mp 10.00
Fulton	- KY	10.20	Junction KY 1706 Heading North
Fulton	- KY	10.60	Tree(s) # of Trees 10 End mp 10.70
Fulton	- KY	10.90	Tree(s) # of Trees 3 End mp 10.91
Fulton	- KY	11.20	Junction KY 1909 Heading North
Fulton	- KY	11.50	Tree(s) # of Trees 10 End mp 11.51
Fulton	- KY	12.00	Pond: 200' wide, 400' long, 15' from Road
Fulton	- KY	12.70	Junction KY 2567 Heading North-South
Fulton	- KY	12.71	Bridge
Fulton	- KY	12.71	Two Bridges at this Location
Fulton	- KY	12.80	Junction KY 2568 Heading North-South
Fulton	- KY	12.80	City of Fulton

Report by County and Milepoint  
for KY 176

County	State	Milepoint	Feature
Muhlenberg	- KY	0.00	Junction KY 181 Heading North-South
Muhlenberg	- KY	0.00	Begin KY 176 Quake Study at Greenville
Muhlenberg	- KY	0.10	Tree(s) # of Trees 200 End mp 1.00
Muhlenberg	- KY	0.90	Pipeline
Muhlenberg	- KY	1.20	Tree(s) # of Trees 15 End mp 1.10
Muhlenberg	- KY	1.70	Tree(s) # of Trees 1 End mp 1.70
Muhlenberg	- KY	2.00	Tree(s) # of Trees 20 End mp 2.10
Muhlenberg	- KY	2.20	North Rocky Ford Fault
Muhlenberg	- KY	2.95	Fault
Muhlenberg	- KY	2.95	Deep Mining (1000' North of Road)
Muhlenberg	- KY	3.59	Strip Mining (500' South of Road)
Muhlenberg	- KY	3.60	Tree(s) # of Trees 30 End mp 3.70
Muhlenberg	- KY	3.74	Water Impoundment (600' North of Road)
Muhlenberg	- KY	3.90	Fill
Muhlenberg	- KY	3.90	Swampland for 1000'
Muhlenberg	- KY	4.20	Tree(s) # of Trees 300 End mp 5.40
Muhlenberg	- KY	4.29	Bridge
Muhlenberg	- KY	4.31	Strip Mining
Muhlenberg	- KY	4.50	Pond Creek Shafts (1400' North of Road)
Muhlenberg	- KY	5.60	Junction KY 246 Heading Southeast
Muhlenberg	- KY	5.65	Tree(s) # of Trees 150 End mp 6.00
Muhlenberg	- KY	6.35	Tree(s) # of Trees 2 End mp 6.35
Muhlenberg	- KY	6.50	Tree(s) # of Trees 4 End mp 6.50
Muhlenberg	- KY	6.60	Bridge
Muhlenberg	- KY	6.60	Tree(s) # of Trees 6 End mp 6.60
Muhlenberg	- KY	6.90	Tree(s) # of Trees 100 End mp 7.30
Muhlenberg	- KY	7.12	Black Diamond Shafts (1400' South of Road)
Muhlenberg	- KY	7.52	Tree(s) # of Trees 8 End mp 7.50
Muhlenberg	- KY	7.70	Tree(s) # of Trees 8 End mp 7.72
Muhlenberg	- KY	7.80	Junction KY 431 Heading NW-SE
Muhlenberg	- KY	7.80	End of KY 176 Quake Study at Drakesboro

Report by County and Milepoint  
for KY 351

County	State	Milepoint	Feature
Henderson	- KY	1.30	End KY 351 at US 41 Junction
Henderson	- KY	1.40	Bridge
Henderson	- KY	1.40	City of Henderson
Henderson	- KY	1.40	Repeat Bridge Data For 1.4 mp
Henderson	- KY	1.90	Junction KY 1539 Heading Northeast
Henderson	- KY	2.20	Radio Tower 300' ht, 50' from Road
Henderson	- KY	3.27	Abandoned Shaft
Henderson	- KY	3.80	Tree(s) # of Trees 100 End mp 3.42
Henderson	- KY	4.40	Powerline
Henderson	- KY	4.90	Pipeline
Henderson	- KY	4.90	Tank
Henderson	- KY	5.50	Tank
Henderson	- KY	5.60	Tank
Henderson	- KY	5.72	Abandoned Vertical Shaft
Henderson	- KY	6.10	Junction KY 1078 Heading Southwest
Henderson	- KY	6.20	Junction KY 1078 Heading Northeast
Henderson	- KY	6.30	Tree(s) # of Trees 20 End mp 6.26
Henderson	- KY	6.57	Abandoned Vertical Shaft
Henderson	- KY	6.90	Tree(s) # of Trees 100 End mp 6.80
Henderson	- KY	8.59	Bridge
Henderson	- KY	9.23	Abandoned Vertical Shaft
Henderson	- KY	9.23	Dolph Hazelwood Coal Mine - Runs to 10.0m
Henderson	- KY	10.65	Abandoned Vertical Shaft
Henderson	- KY	10.68	Henderson Co Coal Mine - Runs to 11.58
Henderson	- KY	11.58	Abandoned Vertical Shaft
Henderson	- KY	12.80	Tree(s) # of Trees 6 End mp 12.79
Henderson	- KY	12.80	Begin KY 351 at KY 416 Junction

Report by County and Milepoint  
for KY-408

County	State	Milepoint	Feature
Marshall	- KY	8.10	Bridge
Marshall	- KY	8.35	Junction KY 1462 Heading North
Marshall	- KY	8.60	Radio Tower 300' High, 15' from Road
Marshall	- KY	8.80	Fill
Marshall	- KY	8.82	Bridge
Marshall	- KY	8.90	Fill
Marshall	- KY	8.94	Bridge
Marshall	- KY	9.00	Fill
Marshall	- KY	9.34	Bridge
Marshall	- KY	9.73	Bridge
Marshall	- KY	9.75	Tree(s) # of Trees 20 End mp 9.90
Marshall	- KY	10.65	Tree(s) # of Trees 25 End mp 10.71
Marshall	- KY	10.80	Fill
Marshall	- KY	10.87	Bridge
Marshall	- KY	10.90	Fill
Marshall	- KY	10.95	Powerline
Marshall	- KY	11.00	Powerline
Marshall	- KY	11.35	Tree(s) # of Trees 4 End mp 11.36
Marshall	- KY	11.40	Junction KY 1887 Heading South
Marshall	- KY	11.55	Tree(s) # of Trees 12 End mp 11.63
Marshall	- KY	12.05	Tree(s) # of Trees 4 End mp 12.09
Marshall	- KY	12.75	Tree(s) # of Trees 12 End mp 12.90



Report by County and Milepoint  
for KY 416

County	State	Milepoint	Feature
Henderson	- KY	16.88	Bridge
Henderson	- KY	16.88	Begin KY 416 Quake Study in Henderson Co
Henderson	- KY	17.00	Fill
Henderson	- KY	17.50	Tree(s) # of Trees 100 End mp 17.60
Henderson	- KY	17.60	Tree(s) # of Trees 50 End mp 17.88
Henderson	- KY	17.97	Abandoned Vertical Shaft
Henderson	- KY	18.44	Abandoned Vertical Shaft
Henderson	- KY	18.50	Tank
Henderson	- KY	19.10	Tree(s) # of Trees 10 End mp 19.12
Henderson	- KY	19.20	End of KY 416 - Begin KY 351

Report by County and Milepoint  
for KY 672

County	State	Milepoint	Feature
Caldwell	- KY	4.40	Junction KY 91 Heading NW-SE
Caldwell	- KY	4.40	Begin KY 672 Quake Study
Caldwell	- KY	5.20	Tree(s) # of Trees 100 End mp 5.60
Caldwell	- KY	5.80	Tree(s) # of Trees 50 End mp 5.90
Caldwell	- KY	5.93	Fault
Caldwell	- KY	6.00	Tree(s) # of Trees 50 End mp 6.10
Caldwell	- KY	6.14	Fault
Caldwell	- KY	6.50	Fault
Caldwell	- KY	6.50	Tree(s) # of Trees 209 End mp 7.00
Caldwell	- KY	6.81	Fault
Caldwell	- KY	7.00	Junction KY 278 Heading West
Caldwell	- KY	7.10	Tree(s) # of Trees 300 End mp 8.50
Caldwell	- KY	7.90	Fault
Caldwell	- KY	8.02	Fault
Caldwell	- KY	8.15	Fault
Caldwell	- KY	8.23	Fault
Caldwell	- KY	8.43	Fault
Caldwell	- KY	8.49	Fault
Caldwell	- KY	8.90	Tree(s) # of Trees 50 End mp 9.10
Caldwell	- KY	9.70	Tree(s) # of Trees 50 End mp 9.80
Caldwell	- KY	10.20	Tree(s) # of Trees 200 End mp 11.20
Caldwell	- KY	11.40	Tree(s) # of Trees 300 End mp 12.50
Caldwell	- KY	13.65	Tunnel - Danger Lake Beshear
Caldwell	- KY	13.70	Tree(s) # of Trees 100 End mp 14.10
Caldwell	- KY	13.90	Cutslope
Caldwell	- KY	14.08	Bridge
Caldwell	- KY	14.08	Bridge & Fault - Scour Analysis
Caldwell	- KY	14.08	Danger Lake Beshear
Caldwell	- KY	14.20	Caldwell Co - Hopkins Co Boundary
Caldwell	- KY	14.20	Change to US 62 at County Boundary

Report by County and Milepoint  
for KY 1554

County	- State	Milepoint	Feature
Daviess	- KY	0.00	End of KY 56 - Begin KY 1554
Daviess	- KY	0.10	Pipeline
Daviess	- KY	0.90	Bridge
Daviess	- KY	1.00	End of KY 1554 - Begin Audubon Parkway

Report by County and Milepoint  
for KY 1751

County	-	State	Milepoint	Feature
Hopkins	-	KY	0.00	Fault
Hopkins	-	KY	0.00	Junction US 41A South
Hopkins	-	KY	0.72	South Reinecke Fault
Hopkins	-	KY	1.10	Junction KY 1069 Heading Northwest
Hopkins	-	KY	1.14	Bridge
Hopkins	-	KY	1.36	North Reinecke Fault
Hopkins	-	KY	1.70	US 41 Junction

Report by County and Milepoint  
for US 41

County	State	Milepoint	Feature
Christian	- KY	14.80	City of Hopkinsville
Christian	- KY	14.80	Junction KY 1682 (Hopkinsville Bypass)
Christian	- KY	15.33	Bridge
Christian	- KY	16.81	Tree(s) # of Trees 200 End mp 17.10
Christian	- KY	17.78	Tree(s) # of Trees 10 End mp 17.80
Christian	- KY	18.40	Powerline
Christian	- KY	21.31	Tree(s) # of Trees 200 End mp 21.50
Christian	- KY	23.00	Fill
Christian	- KY	23.04	Tree(s) # of Trees 100 End mp 23.10
Christian	- KY	24.46	Tree(s) # of Trees 10 End mp 24.50
Christian	- KY	25.70	Junction KY 800 Heading West
Christian	- KY	28.30	Fill
Christian	- KY	28.50	Junction KY 1296 Heading West
Christian	- KY	28.71	Tree(s) # of Trees 300 End mp 30.60
Christian	- KY	29.00	Junction KY 407 Heading Southwest
Christian	- KY	29.00	Detour Route Ends
Christian	- KY	29.51	Bridge
Christian	- KY	29.90	Powerline
Christian	- KY	30.88	Bridge
Christian	- KY	31.50	Junction KY 407 Heading South
Christian	- KY	31.60	Christian Co - Hopkins Co Boundary
Henderson	- KY	0.00	Henderson Co - Webster Co Boundary
Henderson	- KY	0.40	Junction KY 2097 Heading South
Henderson	- KY	0.50	Pipeline
Henderson	- KY	0.60	Powerline
Henderson	- KY	0.65	Bridge
Henderson	- KY	3.20	Junction KY 416 Heading Northeast
Henderson	- KY	3.80	Tank
Henderson	- KY	4.90	Junction KY 283 Heading Southwest
Henderson	- KY	5.60	Tank
Henderson	- KY	6.20	Bridge
Henderson	- KY	6.32	Bridge
Henderson	- KY	8.40	KY 136 Leaves US 41 Heading Southeast
Henderson	- KY	8.63	Abandoned Shaft
Henderson	- KY	11.27	Bridge
Henderson	- KY	11.70	US 41 Joins KY 136 Heading Northwest
Henderson	- KY	12.10	Pipeline
Henderson	- KY	12.36	Abandoned Shaft
Henderson	- KY	12.65	Bridge
Henderson	- KY	13.00	Begin US 41 Outside of Henderson
Henderson	- KY	13.00	Junction KY 812 Heading Southeast
Hopkins	- KY	3.30	Route Branches from KY 1751 to US 41
Hopkins	- KY	5.10	Junction KY 862 Heading East
Hopkins	- KY	5.80	Fault
Hopkins	- KY	6.13	Bridge
Hopkins	- KY	6.60	Junction KY 260 Heading East
Hopkins	- KY	6.74	Tree(s) # of Trees 25 End mp 6.80
Hopkins	- KY	7.07	Abandoned Mine
Hopkins	- KY	7.80	Powerline
Hopkins	- KY	9.30	Tree(s) # of Trees 1 End mp 9.30
Hopkins	- KY	9.33	Fault
Hopkins	- KY	9.50	Pipeline
Hopkins	- KY	9.50	Cutslope

Report by County and Milepoint  
for US 41

Continued

County	State	Milepoint	Feature
Hopkins	- KY	10.01	North Hanson Fault
Hopkins	- KY	10.05	North Hanson Fault
Hopkins	- KY	10.18	Tree(s) # of Trees 10 End mp 10.20
Hopkins	- KY	10.49	Tree(s) # of Trees 2 End mp 10.50
Hopkins	- KY	11.70	Hopkins Co - Christian Co Boundary
Webster	- KY	0.00	Webster Co - Hopkins Co Boundary
Webster	- KY	0.00	Junction KY 138 Heading Northeast
Webster	- KY	0.23	South Slaughters Fault
Webster	- KY	0.73	Slaughters Fault System
Webster	- KY	0.83	North Slaughters Fault
Webster	- KY	0.96	Slaughters Fault System
Webster	- KY	1.50	Pipeline
Webster	- KY	2.70	Junction KY 147 Heading South
Webster	- KY	5.40	Pipeline
Webster	- KY	6.10	Junction KY 495 Heading Southwest
Webster	- KY	6.82	Gas Well
Webster	- KY	6.86	Bridge
Webster	- KY	7.10	Junction KY 494 Headed West
Webster	- KY	7.12	Fault
Webster	- KY	7.20	Fault
Webster	- KY	7.31	Fault
Webster	- KY	7.50	Fault
Webster	- KY	7.69	Fault
Webster	- KY	8.41	Gas Well
Webster	- KY	8.60	Gas Well
Webster	- KY	9.34	Sebree Fault System
Webster	- KY	9.40	Sebree Fault System
Webster	- KY	9.40	Junction KY 370 & KY 56 Headed SE & NW
Webster	- KY	9.70	Powerline
Webster	- KY	10.12	Abandoned Vertical Shaft
Webster	- KY	10.40	Powerline
Webster	- KY	10.80	Tank
Webster	- KY	11.00	Powerline
Webster	- KY	11.60	Tank
Webster	- KY	11.68	Bridge
Webster	- KY	12.10	Webster Co - Henderson Co Boundary

Report by County- and Milepoint  
for US 41A

County	State	Milepoint	Feature
Christian	- KY	0.00	Kentucky (Christian Co) - TN Border
Christian	- KY	0.50	Powerline
Christian	- KY	1.72	Fort Campbell Military Reservation
Christian	- KY	1.72	Junction KY 1911
Christian	- KY	2.80	Tree(s) # of Trees 20 End mp 2.80
Christian	- KY	3.30	Fill
Christian	- KY	3.40	Tree(s) # of Trees 100 End mp 3.50
Christian	- KY	3.90	Fill
Christian	- KY	3.90	Junction KY 117
Christian	- KY	4.00	City of Oak Grove
Christian	- KY	4.43	Bridge
Christian	- KY	4.43	Two I-24 Bridges at Junction
Christian	- KY	5.80	Junction KY 1453
Christian	- KY	6.40	Tree(s) # of Trees 50 End mp 6.41
Christian	- KY	6.62	Junction KY 756
Christian	- KY	7.05	Sinkhole 15' From Road
Christian	- KY	7.30	Fill
Christian	- KY	8.21	Fill
Christian	- KY	8.74	Bridge
Christian	- KY	8.74	Bridge
Christian	- KY	8.80	Fill
Christian	- KY	9.00	Junction KY 1027
Christian	- KY	9.10	Tree(s) # of Trees 1 End mp 0.00
Christian	- KY	9.30	Fill
Christian	- KY	9.70	Tree(s) # of Trees 1 End mp 0.00
Christian	- KY	10.25	Tree(s) # of Trees 1 End mp 0.00
Christian	- KY	10.45	Fill
Christian	- KY	10.45	Pond (300 X 175)', 15' From Road
Christian	- KY	10.86	Fill
Christian	- KY	10.87	Bridge
Christian	- KY	10.87	Two Identical Bridges, North & Southbound
Christian	- KY	10.92	Fill
Christian	- KY	12.16	Junction KY 1613
Christian	- KY	12.70	Fill
Christian	- KY	13.00	Fill
Christian	- KY	13.44	Bridge
Christian	- KY	13.44	Two Identical Bridges, North & Southbound
Christian	- KY	13.45	Hopkinsville City Limits
Hopkins	- KY	0.00	Hopkins Co - Christian Co Boundary
Hopkins	- KY	0.49	Bridge
Hopkins	- KY	0.82	Bridge
Hopkins	- KY	0.90	Martin Chapel Fault
Hopkins	- KY	1.81	Abandoned Shaft
Hopkins	- KY	3.04	Fault
Hopkins	- KY	3.04	Nortonville Lake
Hopkins	- KY	3.42	Bridge
Hopkins	- KY	3.49	South Graham Fault
Hopkins	- KY	3.62	Fault
Hopkins	- KY	3.69	Fault
Hopkins	- KY	3.70	Junction US 62 Heading East-West
Hopkins	- KY	3.79	Nortonville Fault
Hopkins	- KY	3.89	Nortonville Fault
Hopkins	- KY	4.00	Powerline

Report by County and Milepoint  
for US 41A

Continued

County	State	Milepoint	Feature
Hopkins	- KY	4.25	Tree(s) # of Trees 10 End mp 4.30
Hopkins	- KY	4.42	St Charles Fault
Hopkins	- KY	4.50	Tree(s) # of Trees 20 End mp 4.60
Hopkins	- KY	4.55	Oil Wells
Hopkins	- KY	5.30	Bridge
Hopkins	- KY	5.60	Tree(s) # of Trees 300 End mp 6.60
Hopkins	- KY	5.90	Strip Mine
Hopkins	- KY	6.59	Bridge
Hopkins	- KY	6.59	Bridge
Hopkins	- KY	6.59	Bridge
Hopkins	- KY	6.65	Abandoned Inclined Shaft
Hopkins	- KY	6.80	Tree(s) # of Trees 300 End mp 7.80
Hopkins	- KY	7.00	Small Pond (100 x 50) feet
Hopkins	- KY	7.20	Junction KY 813 Heading West
Hopkins	- KY	9.00	Bridge
Hopkins	- KY	9.40	Tree(s) # of Trees 50 End mp 9.50
Hopkins	- KY	9.80	Strip Mines
Hopkins	- KY	10.20	Tree(s) # of Trees 100 End mp 10.50
Hopkins	- KY	10.61	Possible Underground Mine
Hopkins	- KY	10.80	Junction KY 112 Heading Southwest
Hopkins	- KY	10.84	Loch Mary Reservoir (Earlington)
Hopkins	- KY	11.10	Fill
Hopkins	- KY	11.30	Powerline
Hopkins	- KY	11.39	Strip Mines
Hopkins	- KY	11.77	Underground Mines
Hopkins	- KY	12.65	Bridge
Hopkins	- KY	12.71	Victoria Mine Air Shaft
Hopkins	- KY	13.11	Bridge
Hopkins	- KY	14.00	Junction KY 70 Heading West
Hopkins	- KY	14.70	Junction KY 70/85 Heading East
Hopkins	- KY	15.33	Bridge
Hopkins	- KY	15.73	Bridge
Hopkins	- KY	16.10	End US 41A - Continue on Ky 1751
Montgomery	- TN	17.00	Junction US 79
Montgomery	- TN	17.42	Powerline
Montgomery	- TN	17.42	Power Line Parallel to Road - 3 Lines
Montgomery	- TN	18.50	Fill
Montgomery	- TN	19.70	Three Electric Towers, 65' ht, 5' from Rd
Montgomery	- TN	20.65	Fill
Montgomery	- TN	20.70	Bridge
Montgomery	- TN	20.70	Bridge
Montgomery	- TN	20.70	Bridge
Montgomery	- TN	20.70	Bridge
Montgomery	- TN	21.20	Cutslope
Montgomery	- TN	21.30	Fill
Montgomery	- TN	21.30	Cutslope
Montgomery	- TN	21.80	Tree(s) # of Trees 100 End mp 21.85
Montgomery	- TN	22.28	Bridge
Montgomery	- TN	22.28	Bridge
Montgomery	- TN	22.28	Bridge
Montgomery	- TN	22.28	Bridge
Montgomery	- TN	22.29	Tank
Montgomery	- TN	22.90	Junction TN 236 Heading East-West



Report by County and Milepoint  
for US 41A

Continued

County - State	Milepoint	Feature
Montgomery - TN	23.25	Tree(s) # of Trees 30 End mp 23.27
Montgomery - TN	23.64	Tennessee - KY (Christian Co) Border

Report by County and Milepoint  
for US 45

County	State	Milepoint	Feature
Fulton	- KY	1.70	Tree(s) # of Trees 500 End mp 2.80
Fulton	- KY	1.70	Pond
Fulton	- KY	1.70	City of Fulton
Fulton	- KY	2.90	Fulton Co - Hickman Co Boundary
Graves	- KY	0.00	Graves Co - Hickman Co Boundary
Graves	- KY	0.20	Powerline
Graves	- KY	0.20	Junction KY 94 Heading East
Graves	- KY	0.20	Junction KY 1529 Heading West
Graves	- KY	0.30	Tree(s) # of Trees 50 End mp .60
Graves	- KY	0.50	Junction KY 2422 & KY 1283
Graves	- KY	0.80	Powerline
Graves	- KY	1.40	Tree(s) # of Trees 35 End mp 1.80
Graves	- KY	1.68	Bridge
Graves	- KY	1.80	Bridge
Graves	- KY	1.80	Tree(s) # of Trees 30 End mp 2.00
Graves	- KY	2.20	Powerline
Graves	- KY	2.80	Powerline
Graves	- KY	2.90	Powerline
Graves	- KY	2.90	Tree(s) # of Trees 100 End mp 3.70
Graves	- KY	3.03	Shear Zone
Graves	- KY	3.41	Mines - Gravel Pits (3.4 - 3.79) mp
Graves	- KY	3.80	Junction KY 1763 Heading Northwest
Graves	- KY	3.90	Powerline
Graves	- KY	4.39	Tree(s) # of Trees 30 End mp 4.40
Graves	- KY	5.60	Tree(s) # of Trees 40 End mp 5.80
Graves	- KY	6.09	Bridge
Graves	- KY	6.70	Junction KY 944 Heading West
Graves	- KY	6.81	Gravel Pit
Graves	- KY	7.50	Junction KY 339 Heading South
Graves	- KY	7.55	Tank
Graves	- KY	7.60	Junction KY 339 & Purchase Parkway
Graves	- KY	7.80	Bridge
Graves	- KY	7.80	Tree(s) # of Trees 50 End mp 7.90
Graves	- KY	7.86	Bridge
Graves	- KY	7.91	Gravel Pit
Graves	- KY	8.30	Tree(s) # of Trees 3 End mp 8.30
Graves	- KY	8.75	Powerline
Graves	- KY	10.40	Powerline
Graves	- KY	10.40	Power Line Parallel to Road to 0.00 mp
Graves	- KY	10.50	Junction KY 58 Heading Northeast
Graves	- KY	17.70	Fill
Graves	- KY	17.80	Bridge
Graves	- KY	17.85	Fill
Hickman	- KY	0.00	Hickman Co - Fulton Co Boundary
Hickman	- KY	0.30	Powerline
Hickman	- KY	0.30	Tree(s) # of Trees 50 End mp 0.40
Hickman	- KY	0.30	Junction KY 1218 Heading East
Hickman	- KY	0.60	Tree(s) # of Trees 1 End mp .60
Hickman	- KY	0.90	Powerline
Hickman	- KY	1.20	Fill
Hickman	- KY	1.20	Tree(s) # of Trees 500 End mp 1.80
Hickman	- KY	1.40	Power Line Parallel to Road to 1.20 mp
Hickman	- KY	2.10	Junction KY 94 Heading West

Report by County and Milepoint  
for US 45

Continued

County	-	State	Milepoint	Feature
Hickman	-	KY	3.30	Hickman Co - Graves Co Boundary
Hickman	-	KY	3.30	Power Line Parallel to Road to 2.90 mp

Report by County and Milepoint  
for US 45/KY 58

County	-	State	Milepoint	Feature
Graves	-	KY	10.50	Begin US 45/KY 80 Heading Northeast
Graves	-	KY	10.54	Bridge
Graves	-	KY	10.80	Powerline
Graves	-	KY	11.10	Junction KY 1748 Heading Northeast
Graves	-	KY	12.00	Power Lines Parallel to Road to 14.30 mp
Graves	-	KY	12.20	Bridge
Graves	-	KY	13.10	Bridge
Graves	-	KY	14.15	Pipeline
Graves	-	KY	14.20	Powerline
Graves	-	KY	14.25	Powerline
Graves	-	KY	15.02	Powerline
Graves	-	KY	15.02	Power Lines Parallel to Road to 16.0 mp
Graves	-	KY	15.70	City of Mayfield
Graves	-	KY	15.90	Powerline

Report by County and Milepoint  
for US 60

County	State	Milepoint	Feature
Ballard	- KY	0.00	Junction US 51/62 & Wickliffe City Limits
Ballard	- KY	0.10	Tree(s) # of Trees 100 End mp 1.00
Ballard	- KY	0.55	Junction KY 1186
Ballard	- KY	0.75	Fill
Ballard	- KY	0.75	Cutslope
Ballard	- KY	0.80	Powerline
Ballard	- KY	0.80	Fill
Ballard	- KY	1.00	Fill
Ballard	- KY	1.15	Fill
Ballard	- KY	1.25	Fill
Ballard	- KY	1.50	Tree(s) # of Trees 100 End mp 1.70
Ballard	- KY	1.80	Junction KY 1186
Ballard	- KY	1.85	Fill
Ballard	- KY	1.94	Bridge
Ballard	- KY	1.95	Fill
Ballard	- KY	2.30	Fill
Ballard	- KY	2.30	Tree(s) # of Trees 30 End mp 2.50
Ballard	- KY	2.50	Bridge
Ballard	- KY	2.55	Fill
Ballard	- KY	2.90	Fill
Ballard	- KY	3.10	Fill
Ballard	- KY	3.10	Tree(s) # of Trees 50 End mp 3.20
Ballard	- KY	3.40	Tree(s) # of Trees 4 End mp 3.42
Ballard	- KY	3.50	Fill
Ballard	- KY	3.68	Fill
Ballard	- KY	3.80	Fill
Ballard	- KY	3.85	Fill
Ballard	- KY	3.93	Bridge
Ballard	- KY	4.05	Tree(s) # of Trees 50 End mp 4.15
Ballard	- KY	4.25	Junction KY 1368 Heading East
Ballard	- KY	5.32	Bridge
Ballard	- KY	5.40	Tree(s) # of Trees 20 End mp 5.50
Ballard	- KY	5.45	Fill
Ballard	- KY	5.74	Bridge
Ballard	- KY	5.75	Fill
Ballard	- KY	6.10	Tree(s) # of Trees 20 End mp 7.10
Ballard	- KY	6.10	City of Barlow
Ballard	- KY	6.55	Junction KY 705 Heading North
Ballard	- KY	7.30	Tree(s) # of Trees 50 End mp 7.50
Ballard	- KY	7.30	Gas Pipeline
Ballard	- KY	7.90	Gas Pipeline
Ballard	- KY	8.90	Tree(s) # of Trees 10 End mp 8.92
Ballard	- KY	9.40	Tree(s) # of Trees 10 End mp 9.42
Ballard	- KY	9.70	Gas Pipeline
Ballard	- KY	9.85	La Center City Limits
Ballard	- KY	10.15	Fill
Ballard	- KY	10.23	Bridge
Ballard	- KY	10.25	Fill
Ballard	- KY	10.50	Ferrel Gas Company (Natural Gas or Oil)
Ballard	- KY	10.60	Junction KY 802 Heading South
Ballard	- KY	10.70	Junction KY 358 Heading North
Ballard	- KY	10.80	Junction KY 358 Heading East
Ballard	- KY	10.90	Fault

Report by County and Milepoint  
for US 60

Continued

County	State	Milepoint	Feature
Ballard	- KY	11.30	Fill
Ballard	- KY	11.51	Bridge
Ballard	- KY	11.55	Fill
Ballard	- KY	11.81	Bridge
Ballard	- KY	11.81	Bridge
Ballard	- KY	11.85	Fill
Ballard	- KY	12.40	Tree(s) # of Trees 30 End mp 12.50
Ballard	- KY	12.50	Fill
Ballard	- KY	13.05	Tree(s) # of Trees 1 End mp 13.05
Ballard	- KY	13.50	3 Gas Lines - Junction Station
Ballard	- KY	14.10	Tree(s) # of Trees 20 End mp 14.45
Ballard	- KY	15.25	Tree(s) # of Trees 20 End mp 15.60
Ballard	- KY	15.75	City of Kevil
Ballard	- KY	15.75	Junction KY 473 Heading South
Ballard	- KY	15.90	Junction KY 473 Heading North
Ballard	- KY	16.50	Tree(s) # of Trees 20 End mp 16.54
Ballard	- KY	16.86	Junction KY 2532 Headed North
Ballard	- KY	16.86	Ballard Co - McCracken Co Boundary
Crittenden	- KY	0.00	Crittenden Co - Livingston Co Boundary
Crittenden	- KY	0.60	Junction KY 855 Heading South
Crittenden	- KY	0.95	Levias -Crittenden Fault System
Crittenden	- KY	3.50	Levias -Crittenden Fault System
Crittenden	- KY	3.62	Levias -Crittenden Fault System
Crittenden	- KY	4.90	Junction KY 297 Heading Northwest
Crittenden	- KY	5.21	Moore Hill Fault
Crittenden	- KY	5.30	Moore Hill Fault
Crittenden	- KY	5.49	Moore Hill Fault
Crittenden	- KY	5.50	Fill
Crittenden	- KY	5.57	Fault
Crittenden	- KY	6.20	Powerline
Crittenden	- KY	7.20	Junction KY 1668 Heading Northwest
Crittenden	- KY	8.37	Bridge
Crittenden	- KY	9.00	City of Marion
Crittenden	- KY	9.20	Junction US 641 Heading South
Crittenden	- KY	9.50	Junction KY 120 Heading Northeast
Crittenden	- KY	9.50	KY 91 Breaks Off From US 60 Heading North
Crittenden	- KY	9.70	Tree(s) # of Trees 60 End mp 9.90
Crittenden	- KY	10.76	Bridge
Crittenden	- KY	12.25	Tree(s) # of Trees 100 End mp 12.60
Crittenden	- KY	12.40	Bridge
Crittenden	- KY	13.20	Tree(s) # of Trees 15 End mp 13.30
Crittenden	- KY	14.10	5 Tanks--Type Unknown
Crittenden	- KY	14.15	5 Grain Silos, 30' from Road, 60' ht
Crittenden	- KY	14.65	Tree(s) # of Trees 50 End mp 14.80
Crittenden	- KY	14.69	Bridge
Crittenden	- KY	15.20	Junction CO 1901 Heading North
Crittenden	- KY	15.65	Junction KY 654 Headig East & West
Crittenden	- KY	15.79	Bridge
Crittenden	- KY	15.90	City of Matton
Crittenden	- KY	17.05	Tree(s) # of Trees 30 End mp 17.20
Crittenden	- KY	17.10	Junction KY 365 Heading orth
Crittenden	- KY	17.22	Bridge
Crittenden	- KY	17.50	Rock Quarry

Report by County and Milepoint  
for US 60

Continued

County	State	Milepoint	Feature
Crittenden	- KY	17.55	Fill
Crittenden	- KY	17.70	Cutslope
Crittenden	- KY	18.50	Steel Tower, 200' ht, 6' From Road
Crittenden	- KY	18.60	Tree(s) # of Trees 50 End mp 18.85
Crittenden	- KY	18.90	Tree(s) # of Trees 50 End mp 19.10
Crittenden	- KY	19.23	Tree(s) # of Trees 100 End mp 19.67
Crittenden	- KY	20.02	Tree(s) # of Trees 60 End mp 20.04
Crittenden	- KY	20.32	Bridge
Crittenden	- KY	20.75	Tree(s) # of Trees 5 End mp 20.80
Crittenden	- KY	21.40	Powerline
Crittenden	- KY	21.40	Tree(s) # of Trees 100 End mp 21.90
Crittenden	- KY	21.40	Tower, 35' from Road, 75' ht
Crittenden	- KY	22.80	Fill
Crittenden	- KY	22.99	Bridge
Crittenden	- KY	23.00	Crittenden Co - Union Co Boundary
Henderson	- KY	0.00	Henderson Co - Union Co Boundary
Henderson	- KY	0.01	Bridge
Henderson	- KY	0.01	Bridge
Henderson	- KY	1.80	Powerline
Henderson	- KY	1.90	Tree(s) # of Trees 1 End mp 1.90
Henderson	- KY	2.18	Powerline
Henderson	- KY	2.18	Junction KY 1557 Heading South
Henderson	- KY	2.50	Corydon City Limits
Henderson	- KY	2.80	Tank
Henderson	- KY	3.40	Junction KY 266 Heading East & West
Henderson	- KY	3.40	Junction KY 266 Heading East & West
Henderson	- KY	3.75	Powerline
Henderson	- KY	5.10	Tree(s) # of Trees 20 End mp 5.20
Henderson	- KY	5.20	Gas Pipeline
Henderson	- KY	5.40	Fill
Henderson	- KY	5.40	3 Large Ponds, 150' from Road
Henderson	- KY	6.50	Tree(s) # of Trees 50 End mp 6.60
Henderson	- KY	7.75	Powerline
Henderson	- KY	8.05	Tree(s) # of Trees 50 End mp 8.20
Henderson	- KY	8.30	Fill
Henderson	- KY	8.75	Junction US 41A, KY 425, & KY 136
Henderson	- KY	9.50	Railroad Crossing
Henderson	- KY	9.65	Gas Pipeline
Henderson	- KY	9.70	Gas Pipeline
Henderson	- KY	9.90	Fill
Henderson	- KY	10.00	Bridge
Henderson	- KY	10.10	Fill
Henderson	- KY	10.30	Steel Tower 100' ht, 50' from Road
Henderson	- KY	10.40	Powerline
Henderson	- KY	10.40	Junction US 41A Headed South
Henderson	- KY	10.57	Bridge
Henderson	- KY	10.64	Bridge
Henderson	- KY	11.00	Begin US 60 in Henderson Co
Livingston	- KY	0.00	Livingston Co - McCracken Co Boundary
Livingston	- KY	1.85	Tree(s) # of Trees 20 End mp 2.00
Livingston	- KY	2.38	Tree(s) # of Trees 30 End mp 2.40
Livingston	- KY	3.40	Tree(s) # of Trees 10 End mp 3.50
Livingston	- KY	3.90	Powerline

Report by County and Milepoint  
for US 60

Continued

County	State	Milepoint	Feature
Livingston	- KY	5.00	Powerline
Livingston	- KY	5.08	Fault
Livingston	- KY	5.65	Fault
Livingston	- KY	5.95	Junction CO 2238 Heading West
Livingston	- KY	6.20	Powerline
Livingston	- KY	6.25	Fault
Livingston	- KY	6.75	Tank
Livingston	- KY	6.90	Powerline
Livingston	- KY	7.09	Tree(s) # of Trees 10 End mp 7.10
Livingston	- KY	7.39	Fault
Livingston	- KY	7.40	Junction CO 2238 Heading East
Livingston	- KY	7.48	Fault
Livingston	- KY	7.84	Junction KY 937 Heading South
Livingston	- KY	8.80	Powerline
Livingston	- KY	9.30	Fault
Livingston	- KY	9.30	Tree(s) # of Trees 50 End mp 9.50
Livingston	- KY	9.47	Fault
Livingston	- KY	9.55	Fault
Livingston	- KY	9.89	Fault
Livingston	- KY	10.20	Tree(s) # of Trees 20 End mp 10.30
Livingston	- KY	10.23	Fault Under Road (10.23 - 10.04) mp
Livingston	- KY	11.42	Inactive Quarry
Livingston	- KY	11.80	Junction KY 453 Heading Southeast
Livingston	- KY	12.10	Fault
Livingston	- KY	12.10	Junction KY 70 Heading East
Livingston	- KY	12.19	Tree(s) # of Trees 40 End mp 12.20
Livingston	- KY	12.37	Bridge
Livingston	- KY	12.37	Bridge
Livingston	- KY	12.37	Bridge
Livingston	- KY	12.99	Latrobe Fault
Livingston	- KY	13.07	Latrobe Fault
Livingston	- KY	13.60	Powerline
Livingston	- KY	14.10	Tree(s) # of Trees 400 End mp 14.50
Livingston	- KY	14.50	Cutslope
Livingston	- KY	14.73	Inactive Quarry
Livingston	- KY	14.90	Dyer Hill Fault System (14.9 - 21.3)mp
Livingston	- KY	15.20	Junction KY 137 Heading Northwest
Livingston	- KY	15.50	Tree(s) # of Trees 5 End mp 15.50
Livingston	- KY	15.80	Tree(s) # of Trees 10 End mp 15.80
Livingston	- KY	16.00	Powerline
Livingston	- KY	16.53	Fault
Livingston	- KY	16.66	Bridge
Livingston	- KY	17.20	Powerline
Livingston	- KY	17.30	Inactive Quarry
Livingston	- KY	17.50	Powerline
Livingston	- KY	17.57	Fault Under Road (17.51 - 17.81) mp
Livingston	- KY	17.90	Tree(s) # of Trees 200 End mp 19.00
Livingston	- KY	17.93	Fault
Livingston	- KY	18.04	Fault
Livingston	- KY	18.19	Fault
Livingston	- KY	18.20	Cutslope
Livingston	- KY	18.25	Slope Failure
Livingston	- KY	18.27	Fault



Report by County and Milepoint  
for US 60

Continued

County	State	Milepoint	Feature
Livingston	- KY	18.33	Fault
Livingston	- KY	18.65	Fault
Livingston	- KY	19.33	Fault
Livingston	- KY	19.90	Junction KY 763 Heading West
Livingston	- KY	20.30	Tree(s) # of Trees 7 End mp 20.35
Livingston	- KY	20.60	Junction KY 135 Heading North
Livingston	- KY	20.80	Junction KY 1433 Heading East
Livingston	- KY	20.81	Fault
Livingston	- KY	20.98	City of Burma
Livingston	- KY	21.00	Tree(s) # of Trees 100 End mp 21.20
Livingston	- KY	21.19	Fault
Livingston	- KY	21.26	Fault
Livingston	- KY	21.31	Bridge
Livingston	- KY	22.21	Tree(s) # of Trees 5 End mp 22.25
Livingston	- KY	22.30	Tree(s) # of Trees 8 End mp 22.40
Livingston	- KY	23.04	Pittsburg Fault System (23.0 - 25.3)mp
Livingston	- KY	23.20	Tree(s) # of Trees 50 End mp 23.40
Livingston	- KY	23.32	Pittsburg Fault System
Livingston	- KY	24.40	Tree(s) # of Trees 50 End mp 24.90
Livingston	- KY	24.59	Pittsburg Fault System
Livingston	- KY	24.69	Pittsburg Fault System
Livingston	- KY	24.78	Pittsburg Fault System
Livingston	- KY	24.82	Pittsburg Fault System
Livingston	- KY	25.35	Sandy Creek Fault
Livingston	- KY	25.94	Sandy Creek Fault
Livingston	- KY	25.98	Bridge
Livingston	- KY	26.49	Sandy Creek Fault
Livingston	- KY	26.79	Babb Fault
Livingston	- KY	27.00	Powerline
Livingston	- KY	27.30	Junction KY 133 Heading Northwest
Livingston	- KY	27.40	Junction KY 723 Heading North-South
Livingston	- KY	27.50	Tree(s) # of Trees 40 End mp 27.70
Livingston	- KY	27.70	Junction KY 133 Heading Southeast
Livingston	- KY	29.06	Bridge
Livingston	- KY	29.10	Livingston Co - Crittenden Co Boundary
McCracken	- KY	0.00	Tree(s) # of Trees 7 End mp 0.20
McCracken	- KY	0.00	McCracken Co - Ballard Co Boundary
McCracken	- KY	0.10	Junction US 62 Heading East-West
McCracken	- KY	0.80	Tree(s) # of Trees 20 End mp 1.10
McCracken	- KY	0.80	Junction KY 995 Headed North
McCracken	- KY	1.30	Fill
McCracken	- KY	1.80	Tree(s) # of Trees 15 End mp 1.81
McCracken	- KY	1.90	Junction KY 1154 Heading North
McCracken	- KY	2.25	Powerline
McCracken	- KY	2.30	Tree(s) # of Trees 15 End mp 2.40
McCracken	- KY	2.60	Powerline
McCracken	- KY	3.00	Future City
McCracken	- KY	3.30	Junction KY 726 Heading North & South
McCracken	- KY	3.75	Junction KY 996 Heading North & Southeast
McCracken	- KY	4.05	Fill
McCracken	- KY	4.10	Bridge
McCracken	- KY	4.10	Future City Limits
McCracken	- KY	4.15	Fill

Report by County and Milepoint  
for US 60

Continued

County	State	Milepoint	Feature
McCracken	- KY	4.50	Powerline
McCracken	- KY	4.85	Fill
McCracken	- KY	4.95	Fill
McCracken	- KY	4.96	Bridge
McCracken	- KY	5.70	Junction KY 305 Headed North
McCracken	- KY	5.80	Civil Air Patrol
McCracken	- KY	6.15	Junction KY 724 Headed South
McCracken	- KY	6.35	Tree(s) # of Trees 40 End mp 6.45
McCracken	- KY	6.60	Fill
McCracken	- KY	6.69	Bridge
McCracken	- KY	6.71	Fill
McCracken	- KY	7.20	Tree(s) # of Trees 20 End mp 7.30
McCracken	- KY	7.30	Junction KY 1565 Heading North
McCracken	- KY	7.80	Powerline
McCracken	- KY	7.80	Junction KY 1565 Heading South
McCracken	- KY	8.20	Powerline
McCracken	- KY	8.20	Tree(s) # of Trees 75 End mp 8.60
McCracken	- KY	8.29	Fill
McCracken	- KY	8.30	Bridge
McCracken	- KY	8.31	Fill
McCracken	- KY	8.45	Powerline
McCracken	- KY	8.46	Powerline
McCracken	- KY	8.90	Powerline
McCracken	- KY	9.25	Tree(s) # of Trees 60 End mp 9.50
McCracken	- KY	9.70	Junction KY 998 Heading North & South
McCracken	- KY	10.70	Junction I-24 Heading NW-SE
McCracken	- KY	10.80	Bridge
McCracken	- KY	11.09	Bridge
McCracken	- KY	11.65	Fill
McCracken	- KY	11.70	Powerline
McCracken	- KY	11.72	Fill
McCracken	- KY	11.76	Bridge
McCracken	- KY	12.00	City of Paducah
McCracken	- KY	19.64	Bridge
McCracken	- KY	19.86	Bridge
McCracken	- KY	19.86	Bridge
McCracken	- KY	19.86	Bridge
McCracken	- KY	19.86	Bridge
Union	- KY	0.00	Begin Union Co - End Crittenden Co
Union	- KY	0.50	Fill
Union	- KY	1.05	Tree(s) # of Trees 25 End mp 1.25
Union	- KY	1.35	KY 109 Joins US 60 @ Sullivan
Union	- KY	1.65	Junction KY 141 Heading North
Union	- KY	2.05	Powerline
Union	- KY	2.25	Strip Mine 1000' from Road
Union	- KY	3.10	Tree(s) # of Trees 20 End mp 3.55
Union	- KY	3.66	Bridge
Union	- KY	3.90	Tree(s) # of Trees 50 End mp 4.10
Union	- KY	4.75	Bulk Plant, 7 Tanks, 125' from Road
Union	- KY	5.05	Gasline
Union	- KY	5.10	Fill
Union	- KY	5.15	Flood Path to Lake
Union	- KY	5.20	Bridge

Report by County and Milepoint  
for US 62

Continued

County	State	Milepoint	Feature
McCracken	- KY	15.45	Junction US 68 Heading East
McCracken	- KY	15.70	Junction KY 787 Heading South
McCracken	- KY	15.90	Fill
McCracken	- KY	16.25	Fill
McCracken	- KY	16.45	Junction CO 1201 Heading North
McCracken	- KY	17.10	McCracken Co - Marshall Co Boundary
Marshall	- KY	0.00	Marshall Co - McCracken Co Boundary
Marshall	- KY	0.70	Powerline
Marshall	- KY	0.70	Fill
Marshall	- KY	0.90	Fill
Marshall	- KY	0.90	Junction KY 1024 Heading North-South
Marshall	- KY	1.20	Fill
Marshall	- KY	1.40	Fill
Marshall	- KY	1.70	Fill
Marshall	- KY	1.90	Fill
Marshall	- KY	2.47	Bridge
Marshall	- KY	2.55	Fill
Marshall	- KY	3.00	Junction KY 161 Heading South
Marshall	- KY	3.60	Powerline
Marshall	- KY	3.60	Fill
Marshall	- KY	4.32	Gravel or Sand Pit
Marshall	- KY	4.50	Fill
Marshall	- KY	5.00	Powerline
Marshall	- KY	5.00	Powerline
Marshall	- KY	5.10	Powerline
Marshall	- KY	5.20	Junction KY 1523 Heading North
Marshall	- KY	5.40	Fill
Marshall	- KY	5.70	Fill
Marshall	- KY	5.80	Fill
Marshall	- KY	5.90	Fill
Marshall	- KY	6.00	Fill
Marshall	- KY	6.30	Fill
Marshall	- KY	6.50	Fill
Marshall	- KY	6.70	Fill
Marshall	- KY	6.92	Fault
Marshall	- KY	7.20	Junction KY 95 Heading North-South
Marshall	- KY	7.20	Gravel Pit
Marshall	- KY	7.35	Fill
Marshall	- KY	7.70	Junction KY 1523 Heading North
Marshall	- KY	7.80	Pipeline
Marshall	- KY	7.86	Fault
Marshall	- KY	8.20	Powerline
Marshall	- KY	8.53	Sand Pit
Marshall	- KY	8.54	Fault
Marshall	- KY	8.70	Powerline
Marshall	- KY	8.80	Junction I 24 - Twin Bridges
Marshall	- KY	8.81	Bridge
Marshall	- KY	9.00	Powerline
Marshall	- KY	9.02	Fault
Marshall	- KY	9.02	Gravel Pit
Marshall	- KY	9.45	Fill
Marshall	- KY	9.48	Bridge
Marshall	- KY	9.55	Fill

Report by County and Milepoint  
for US 62

Continued

County	-	State	Milepoint	Feature
Marshall	-	KY	9.80	Powerline
Marshall	-	KY	10.00	Fault
Marshall	-	KY	10.19	Fill
Marshall	-	KY	10.23	Fault
Marshall	-	KY	10.87	Bridge
Marshall	-	KY	10.90	Junction US 641 Heading Northwest

Report by County and Milepoint  
for US-62E

County	- State	Milepoint	Feature
McCracken	- KY	12.90	Junction US 60 Heading East
McCracken	- KY	12.98	Bridge
McCracken	- KY	12.98	Bridge
McCracken	- KY	12.98	Bridge
McCracken	- KY	12.98	Powerline
McCracken	- KY	13.34	Powerline
McCracken	- KY	13.34	Steel Tower, 100' ht, 25' from Road
McCracken	- KY	13.58	Powerline
McCracken	- KY	13.87	Junction KY 131 Heading South
McCracken	- KY	13.91	Bridge
McCracken	- KY	14.10	US 62 East and US 62 West Converge

Report by County and Milepoint  
for US-62W

County	- State	Milepoint	Feature
McCracken	- KY	12.95	Bridge
McCracken	- KY	12.98	Junction US 60 Heading East
McCracken	- KY	13.06	Bridge
McCracken	- KY	13.06	Bridge
McCracken	- KY	13.06	Bridge
McCracken	- KY	13.45	Powerline
McCracken	- KY	13.45	Fill
McCracken	- KY	13.65	Powerline
McCracken	- KY	13.85	Fill
McCracken	- KY	14.10	US 62 East and US 62 West Converge

Report by County and Milepoint  
for US 62/US 641

County	State	Milepoint	Feature
Livingston	- KY	0.00	Livingston Co - Marshall Co Boundary
Livingston	- KY	0.31	Bridge
Livingston	- KY	0.64	Bridge
Livingston	- KY	0.97	Bridge
Livingston	- KY	1.05	Powerline
Livingston	- KY	1.10	Junction KY 453 Heading South
Livingston	- KY	1.20	Bridge
Livingston	- KY	1.20	Identical North and Southbound Bridges
Livingston	- KY	1.25	Junction KY 453
Livingston	- KY	1.70	Junction KY 952 Heading Southeast
Livingston	- KY	1.90	Rock Quarry (Rock Pile-Stock Pile)
Livingston	- KY	2.60	Junction KY 917 Heading North
Livingston	- KY	2.75	Fill
Livingston	- KY	2.78	Bridge
Livingston	- KY	2.80	Livingston Co - Lyon Co Boundary
Lyon	- KY	0.00	Lyon Co - Livingston Co Boundary
Lyon	- KY	0.00	Cumberland River Marks Boundary
Lyon	- KY	0.15	Bridge
Lyon	- KY	0.15	Bridge
Lyon	- KY	0.30	Powerline
Lyon	- KY	0.30	Powerline
Lyon	- KY	0.30	Tree(s) # of Trees 50 End mp 0.40
Lyon	- KY	0.30	Wood & Steel Power Line Structures
Lyon	- KY	1.10	Fill
Lyon	- KY	1.79	Tree(s) # of Trees 20 End mp 1.80
Lyon	- KY	1.90	Cutslope
Lyon	- KY	2.28	Tree(s) # of Trees 20 End mp 2.30
Lyon	- KY	2.78	Tree(s) # of Trees 20 End mp 2.80
Lyon	- KY	3.10	Powerline
Lyon	- KY	3.60	Bridge
Lyon	- KY	3.60	ICRR Railroad Bridge
Lyon	- KY	3.65	Fill
Lyon	- KY	3.65	Fill
Lyon	- KY	3.70	Junction KY 810 Heading South
Lyon	- KY	4.03	Fault
Lyon	- KY	4.50	Fill
Lyon	- KY	4.50	Fill Has Water on 1 Side
Lyon	- KY	4.80	Fill
Lyon	- KY	4.80	Fill Has Water on Both Sides
Lyon	- KY	5.20	Cutslope
Lyon	- KY	5.50	Powerline
Lyon	- KY	5.93	Fault
Lyon	- KY	6.00	Powerline
Lyon	- KY	6.10	Junction KY 93 Heading Northwest
Lyon	- KY	6.10	Swamp
Lyon	- KY	6.80	Bridge
Lyon	- KY	6.80	Junction I 24 Heading East
Lyon	- KY	6.80	Two Identical Bridges @ 6.8 mp
Lyon	- KY	7.40	Fill
Lyon	- KY	7.50	Fill
Lyon	- KY	7.56	Fault
Lyon	- KY	7.60	Fill
Lyon	- KY	7.70	Cutslope - 50'ht, 1000' Length, 2:1

Report by County and Milepoint  
for US 62/US 641

Continued

County	State	Milepoint	Feature
Lyon	- KY	7.80	Fill
Lyon	- KY	8.20	Junction KY 295 Heading Northwest
Lyon	- KY	8.25	Fill
Lyon	- KY	8.30	Junction KY 373 Heading North
Lyon	- KY	8.50	Powerline
Lyon	- KY	8.90	Junction KY 93 Heading Southeast
Lyon	- KY	9.00	City of Eddyville
Lyon	- KY	9.20	Fill
Lyon	- KY	9.65	Fill
Lyon	- KY	9.85	Fill
Lyon	- KY	9.95	Tree(s) # of Trees 70 End mp 10.00
Lyon	- KY	10.35	Fill
Lyon	- KY	10.50	Junction US 62/641 Headed Northeast
Lyon	- KY	10.50	Junction US 60 Heading Northeast
Marshall	- KY	10.90	Begin US 62/641 Quake Study @ Ky Dam
Marshall	- KY	11.00	Dam
Marshall	- KY	11.00	Junction KY 282 Heading West
Marshall	- KY	11.90	Fill
Marshall	- KY	11.94	Bridge
Marshall	- KY	12.10	Marshall Co - Livingston Co Boundary



Report by County and Milepoint  
for US-68

County	State	Milepoint	Feature
McCracken	- KY	1.01	Bridge
McCracken	- KY	1.01	East and Westbound Bridges over I-24
McCracken	- KY	1.35	Junction KY 284
McCracken	- KY	1.40	Powerline
McCracken	- KY	1.70	Tree(s) # of Trees 1 End mp 1.70
McCracken	- KY	2.20	Tree(s) # of Trees 1 End mp 2.20
McCracken	- KY	2.20	Junction KY 787
McCracken	- KY	2.70	McCracken Co - Marshall Co Boundary
Marshall	- KY	0.00	Marshall Co - McCracken Co Boundary
Marshall	- KY	0.10	Tree(s) # of Trees 10 End mp 0.16
Marshall	- KY	0.30	Tree(s) # of Trees 25 End mp 0.33
Marshall	- KY	0.60	Tree(s) # of Trees 50 End mp 0.70
Marshall	- KY	0.80	Powerline
Marshall	- KY	1.00	Junction KY 962 Heading South
Marshall	- KY	1.10	Tree(s) # of Trees 10 End mp 1.20
Marshall	- KY	1.10	Junction KY 1042 Heading North
Marshall	- KY	1.19	Fault
Marshall	- KY	1.50	Tree(s) # of Trees 15 End mp 1.60
Marshall	- KY	1.50	Junction KY 795 Heading South
Marshall	- KY	1.60	Junction KY 795 Heading North
Marshall	- KY	2.10	Tree(s) # of Trees 3 End mp 2.11
Marshall	- KY	2.20	Tree(s) # of Trees 6 End mp 2.21
Marshall	- KY	2.90	Tree(s) # of Trees 5 End mp 3.01
Marshall	- KY	3.10	Tree(s) # of Trees 5 End mp 3.80
Marshall	- KY	3.20	Junction KY 1610 Heading North
Marshall	- KY	3.30	Tree(s) # of Trees 20 End mp 3.31
Marshall	- KY	3.49	Tree(s) # of Trees 25 End mp 3.50
Marshall	- KY	3.80	Junction KY 1396
Marshall	- KY	3.89	Tree(s) # of Trees 5 End mp 3.89
Marshall	- KY	3.90	Pipeline
Marshall	- KY	4.30	Tree(s) # of Trees 5 End mp 4.30
Marshall	- KY	4.81	Tree(s) # of Trees 7 End mp 4.90
Marshall	- KY	4.90	Junction KY 1712 Heading South
Marshall	- KY	5.10	Tree(s) # of Trees 15 End mp 5.50
Marshall	- KY	5.15	Junction KY 1413
Marshall	- KY	5.30	Tree(s) # of Trees 8 End mp 5.40
Marshall	- KY	6.10	Building
Marshall	- KY	6.20	Pipeline
Marshall	- KY	6.20	Tree(s) # of Trees 2 End mp 6.20
Marshall	- KY	6.29	Tree(s) # of Trees 12 End mp 6.30
Marshall	- KY	6.30	Pipeline
Marshall	- KY	6.50	Tree(s) # of Trees 5 End mp 6.50
Marshall	- KY	6.80	Junction KY 1422 Heading East
Marshall	- KY	6.97	Tree(s) # of Trees 15 End mp 7.00
Marshall	- KY	7.10	Tree(s) # of Trees 50 End mp 7.30
Marshall	- KY	7.20	Powerline
Marshall	- KY	7.41	Tree(s) # of Trees 50 End mp 7.60
Marshall	- KY	7.70	Junction KY 95 Heading North
Marshall	- KY	7.80	Tree(s) # of Trees 20 End mp 7.90
Marshall	- KY	8.07	Tree(s) # of Trees 20 End mp 8.10
Marshall	- KY	8.70	Junction KY 782 Heading West
Marshall	- KY	9.09	Tree(s) # of Trees 3 End mp 9.10
Marshall	- KY	9.43	Bridge

Report by County and Milepoint  
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Continued

County	State	Milepoint	Feature
Marshall	- KY	9.43	Twin Jackson Purchase Parkway Bridges
Marshall	- KY	9.60	Junction US 641 Heading Northeast
Marshall	- KY	10.00	Junction US 641 Heading South
Marshall	- KY	10.26	Tree(s) # of Trees 10 End mp 10.30
Marshall	- KY	11.05	Tree(s) # of Trees 1 End mp 11.05
Marshall	- KY	11.80	Junction KY 58 Heading Southwest
Marshall	- KY	13.10	Powerline
Marshall	- KY	13.20	Powerline
Marshall	- KY	13.40	Tree(s) # of Trees 20 End mp 13.44
Marshall	- KY	13.40	Junction KY 963 Heading Northeast
Marshall	- KY	13.96	Junction KY 1462
Marshall	- KY	14.05	Junction KY 58 Heading Northeast
Marshall	- KY	14.21	Tree(s) # of Trees 50 End mp 14.30
Marshall	- KY	14.50	Tree(s) # of Trees 20 End mp 14.52
Marshall	- KY	15.20	Tree(s) # of Trees 1 End mp 15.20
Marshall	- KY	16.70	Junction KY 408 Heading West
Marshall	- KY	16.90	Tree(s) # of Trees 50 End mp 17.20
Marshall	- KY	17.37	Tree(s) # of Trees 10 End mp 17.40
Marshall	- KY	17.41	Tree(s) # of Trees 100 End mp 17.60
Marshall	- KY	17.47	Gravel Pit
Marshall	- KY	18.00	Junction KY 962 Heading Northeast
Marshall	- KY	18.56	Tree(s) # of Trees 5 End mp 18.59
Marshall	- KY	18.80	Junction KY 1364 Heading South
Marshall	- KY	19.25	Junction KY 1484 Heading North
Marshall	- KY	19.29	Tree(s) # of Trees 7 End mp 19.30
Marshall	- KY	19.50	Tree(s) # of Trees 25 End mp 19.60
Marshall	- KY	19.60	Tank
Marshall	- KY	19.61	Tree(s) # of Trees 50 End mp 19.80
Marshall	- KY	19.94	Fault
Marshall	- KY	20.20	Tree(s) # of Trees 30 End mp 20.41
Marshall	- KY	20.70	Tree(s) # of Trees 100 End mp 21.30
Marshall	- KY	20.77	Fault
Marshall	- KY	21.43	Tree(s) # of Trees 60 End mp 21.50
Marshall	- KY	21.51	Tree(s) # of Trees 50 End mp 21.70
Marshall	- KY	21.68	3 Small Intersecting Faults
Marshall	- KY	22.04	Tree(s) # of Trees 100 End mp 22.70
Marshall	- KY	22.30	Fill
Marshall	- KY	22.48	Bridge
Marshall	- KY	22.50	Fill
Marshall	- KY	24.20	Tree(s) # of Trees 40 End mp 24.23
Marshall	- KY	24.40	Tree(s) # of Trees 15 End mp 24.41
Marshall	- KY	24.80	Tree(s) # of Trees 10 End mp 24.82
Marshall	- KY	24.85	Fill
Marshall	- KY	25.00	Tree(s) # of Trees 20 End mp 25.30
Marshall	- KY	25.80	Junction US 68/KY 80 Heading East

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County	State	Milepoint	Feature
Christian	- KY	0.00	Christian Co - Trigg Co Boundary
Christian	- KY	0.50	Junction KY 117 Heading North
Christian	- KY	0.57	Sinkhole
Christian	- KY	0.80	Sign
Christian	- KY	0.80	Junction KY 1026 Heading North
Christian	- KY	0.80	Railroad Crossing
Christian	- KY	2.90	Junction KY 1349 Heading Northeast
Christian	- KY	3.50	Fill
Christian	- KY	3.56	Bridge
Christian	- KY	3.60	Fill
Christian	- KY	3.79	Tree(s) # of Trees 7 End mp 3.80
Christian	- KY	4.65	Fill
Christian	- KY	4.68	Bridge
Christian	- KY	4.75	Fill
Christian	- KY	6.40	Tree(s) # of Trees 2 End mp 6.40
Christian	- KY	8.70	Junction KY 1682 Heading North
Christian	- KY	9.20	Junction KY 91 Heading Northwest
Christian	- KY	9.40	Junction KY 109 Heading Northwest
Christian	- KY	10.00	City of Hopkinsville
Christian	- KY	10.76	Bridge
Christian	- KY	11.20	Bridge
Christian	- KY	11.20	Bridge Over Pennyrile Parkway
Christian	- KY	11.40	Fill
Christian	- KY	13.50	Powerline
Christian	- KY	13.90	Powerline
Christian	- KY	15.20	Tree(s) # of Trees 3 End mp 15.20
Christian	- KY	15.79	Abandoned Quarry
Christian	- KY	15.90	Tree(s) # of Trees 1 End mp 15.90
Christian	- KY	17.40	Tree(s) # of Trees 20 End mp 17.70
Christian	- KY	18.18	Bridge
Christian	- KY	18.20	Junction KY 1027 Heading South
Christian	- KY	18.68	Abandoned Quarry
Christian	- KY	19.02	Sinkhole
Christian	- KY	21.05	Junction KY 115 Heading South
Christian	- KY	21.10	Christian Co - Todd Co Boundary
Logan	- KY	0.00	Logan Co - Todd Co Boundary
Logan	- KY	0.79	Tree(s) # of Trees 5 End mp .80
Logan	- KY	2.70	Junction KY 1151 Heading Southeast
Logan	- KY	2.80	Bridge
Logan	- KY	2.80	Tree(s) # of Trees 40 End mp 3.20
Logan	- KY	4.10	Pond
Logan	- KY	4.68	Tree(s) # of Trees 30 End mp 4.70
Logan	- KY	7.60	Pipeline
Logan	- KY	7.70	Powerline
Logan	- KY	8.50	Junction KY 3233
Logan	- KY	8.90	Junction KY 178 Heading Northwest
Logan	- KY	9.60	Fill
Logan	- KY	9.64	Bridge
Logan	- KY	9.80	Junction US 431 Heading North-South
Logan	- KY	10.33	Bridge
Logan	- KY	10.50	Building
Logan	- KY	11.00	City of Russellville
Logan	- KY	11.10	Junction KY 100 Heading Southeast

Report by County and Milepoint  
for US 68 KY 80

Continued

County	State	Milepoint	Feature
Logan	- KY	11.10	Junction US 79 Heading NE-SW
Logan	- KY	11.29	Abandoned Quarry
Logan	- KY	11.40	Cutslope
Logan	- KY	12.40	Cutslope
Logan	- KY	12.50	Fill
Logan	- KY	13.90	Cutslope
Logan	- KY	14.80	Pipeline
Logan	- KY	14.80	Powerline
Logan	- KY	14.96	Sinkhole
Logan	- KY	15.10	Fill
Logan	- KY	15.30	Cutslope
Logan	- KY	15.59	Tree(s) # of Trees 5 End mp 16.00
Logan	- KY	15.70	Cutslope
Logan	- KY	16.44	Sinkhole
Logan	- KY	17.50	Tree(s) # of Trees 1 End mp 17.50
Logan	- KY	18.19	Abandoned Quarry
Logan	- KY	18.30	Junction KY 722 Heading North
Logan	- KY	18.40	Junction KY 980 Heading South
Logan	- KY	19.80	Tree(s) # of Trees 75 End mp 20.20
Logan	- KY	19.89	Tree(s) # of Trees 4 End mp 19.90
Logan	- KY	20.00	Junction KY 103 Heading South
Logan	- KY	20.09	Sinkhole
Logan	- KY	20.22	Sinkhole
Logan	- KY	20.60	Junction KY 1039 Heading North
Logan	- KY	20.80	City of Auburn
Logan	- KY	20.94	Bridge
Logan	- KY	21.50	Junction KY 1039 Heading South
Logan	- KY	21.70	Fill
Logan	- KY	21.91	Bridge
Logan	- KY	21.95	Fill
Logan	- KY	23.09	Sinkhole
Logan	- KY	23.10	Tree(s) # of Trees 2 End mp 23.10
Logan	- KY	24.00	Junction KY 73 Heading South
Logan	- KY	24.30	Pipeline
Logan	- KY	24.70	Tree(s) # of Trees 4 End mp 24.70
Logan	- KY	24.80	Pipeline
Logan	- KY	24.80	Junction KY 1466 Heading North
Logan	- KY	25.46	Tree(s) # of Trees 11 End mp 25.50
Logan	- KY	26.42	Quarry
Logan	- KY	26.50	Logan Co - Warren Co Boundary
Marshall	- KY	26.71	Three Small Intersecting Faults
Marshall	- KY	26.71	Severe Faulting in Area (26.71-26.77) mp
Marshall	- KY	26.80	Tree(s) # of Trees 200 End mp 27.08
Marshall	- KY	27.20	Junction KY 94 Heading Southwest
Marshall	- KY	27.80	Bridge
Marshall	- KY	27.80	Bridge
Marshall	- KY	27.80	Bridge
Todd	- KY	0.00	Junction KY 115 Heading South
Todd	- KY	0.00	Todd Co - Christian Co Boundary
Todd	- KY	0.30	Tree(s) # of Trees 1 End mp 0.30
Todd	- KY	1.55	Bridge
Todd	- KY	2.50	Tree(s) # of Trees 5 End mp 2.50
Todd	- KY	2.70	Fill

Report by County and Milepoint  
for US 68/KY 80

Continued

County	State	Milepoint	Feature
Todd	- KY	2.80	Fill
Todd	- KY	3.08	Tree(s) # of Trees 20 End mp 3.10
Todd	- KY	3.15	Bridge
Todd	- KY	4.30	Rock Quarry
Todd	- KY	4.80	Junction KY 475 Heading Southwest
Todd	- KY	5.85	Tree(s) # of Trees 2 End mp 5.85
Todd	- KY	5.90	Powerline
Todd	- KY	7.70	City of Elkton
Todd	- KY	8.11	Tree(s) # of Trees 30 End mp 8.20
Todd	- KY	8.50	Building
Todd	- KY	8.60	Tree(s) # of Trees 40 End mp 9.00
Todd	- KY	9.05	Fill
Todd	- KY	9.05	Junction KY 102 Heading South
Todd	- KY	9.10	Bridge
Todd	- KY	9.15	Fill
Todd	- KY	10.50	Tree(s) # of Trees 3 End mp 10.50
Todd	- KY	11.40	Powerline
Todd	- KY	11.50	Tree(s) # of Trees 1 End mp 11.50
Todd	- KY	13.20	Pipeline
Todd	- KY	13.45	Tree(s) # of Trees 20 End mp 13.60
Todd	- KY	13.50	Junction KY 1309 Heading Southeast
Todd	- KY	14.00	Todd Co - Logan Co Boundary
Trigg	- KY	0.00	Trigg Co - Marshall Co Boundary
Trigg	- KY	0.60	Fill
Trigg	- KY	1.07	Tree(s) # of Trees 25 End mp 1.20
Trigg	- KY	1.35	Tree(s) # of Trees 1 End mp 1.35
Trigg	- KY	1.60	Tree(s) # of Trees 5 End mp 1.64
Trigg	- KY	2.00	Fill
Trigg	- KY	2.10	Fill
Trigg	- KY	2.97	Tree(s) # of Trees 1 End mp 2.97
Trigg	- KY	3.11	Bridge
Trigg	- KY	3.45	Junction "The Trace" Heading South
Trigg	- KY	4.45	Tree(s) # of Trees 600 End mp 5.90
Trigg	- KY	4.50	Cutslope
Trigg	- KY	4.95	Powerline
Trigg	- KY	4.97	Gravel Pit
Trigg	- KY	6.00	Cutslope
Trigg	- KY	6.67	Fault
Trigg	- KY	6.95	Fault
Trigg	- KY	7.10	Fill
Trigg	- KY	7.10	Water on Both Sides of Fill
Trigg	- KY	7.29	Fault
Trigg	- KY	7.40	Cutslope
Trigg	- KY	7.44	Fault
Trigg	- KY	7.80	Fill
Trigg	- KY	8.20	Fill
Trigg	- KY	8.27	Bridge
Trigg	- KY	9.00	Fill
Trigg	- KY	9.60	Junction KY 164 Heading Southeast
Trigg	- KY	10.05	Fill
Trigg	- KY	10.80	Fill
Trigg	- KY	10.94	Bridge
Trigg	- KY	11.06	Tree(s) # of Trees 40 End mp 11.15

Report by County and Milepoint  
for US 68/KY 80

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County	State	Milepoint	Feature
Trigg	- KY	11.40	Junction KY 1489 Heading North
Trigg	- KY	12.30	Tree(s) # of Trees 3 End mp 12.30
Trigg	- KY	13.00	Cutslope
Trigg	- KY	13.24	Tree(s) # of Trees 30 End mp 13.60
Trigg	- KY	14.40	Tree(s) # of Trees 50 End mp 14.52
Trigg	- KY	14.70	Junction KY 272 Heading South
Trigg	- KY	15.17	Fault
Trigg	- KY	15.20	Junction KY 1489 Heading Northwest
Trigg	- KY	15.21	Tree(s) # of Trees 200 End mp 15.40
Trigg	- KY	15.70	Powerline
Trigg	- KY	15.80	Tree(s) # of Trees 4 End mp 15.80
Trigg	- KY	16.00	Tree(s) # of Trees 12 End mp 16.10
Trigg	- KY	16.80	Tree(s) # of Trees 30 End mp 16.90
Trigg	- KY	16.98	Tree(s) # of Trees 35 End mp 17.00
Trigg	- KY	17.10	Tree(s) # of Trees 900 End mp 17.90
Trigg	- KY	17.29	Sink
Trigg	- KY	17.40	Junction KY 274 Heading Northwest
Trigg	- KY	17.40	Junction KY 1175 Heading South
Trigg	- KY	17.70	Cutslope
Trigg	- KY	17.89	Bridge
Trigg	- KY	17.90	Abandoned Quarry
Trigg	- KY	18.20	Tree(s) # of Trees 900 End mp 18.60
Trigg	- KY	18.20	Junction KY 139 Heading North-South
Trigg	- KY	20.00	City of Cadiz
Trigg	- KY	20.10	Powerline
Trigg	- KY	20.90	Tree(s) # of Trees 5 End mp 20.90
Trigg	- KY	21.42	Sink
Trigg	- KY	21.80	Sink
Trigg	- KY	21.89	Tree(s) # of Trees 10 End mp 21.90
Trigg	- KY	22.50	Tree(s) # of Trees 2 End mp 22.50
Trigg	- KY	22.54	Sink
Trigg	- KY	22.70	Tree(s) # of Trees 7 End mp 22.80
Trigg	- KY	23.80	Railroad Crossing
Trigg	- KY	24.10	Junction KY 276 Heading North
Trigg	- KY	24.10	Junction KY 1585 Heading Southeast
Trigg	- KY	24.50	Bridge
Trigg	- KY	24.50	East and Westbound Interstate 24 Bridges
Trigg	- KY	24.80	Tree(s) # of Trees 2 End mp 24.80
Trigg	- KY	25.10	Junction KY 958 Heading North
Trigg	- KY	26.87	Sink
Trigg	- KY	27.20	Tree(s) # of Trees 3 End mp 27.20
Trigg	- KY	27.90	Junction KY 120 Heading North
Trigg	- KY	28.10	Railroad Crossing
Trigg	- KY	28.20	Trigg Co - Christian Co Boundary
Warren	- KY	0.00	Warren Co - Logan Co Boundary
Warren	- KY	0.19	Sinkhole
Warren	- KY	0.38	Sinkhole
Warren	- KY	0.40	Junction KY 240 Heading Southeast
Warren	- KY	0.80	Pipeline
Warren	- KY	0.85	Sinkhole
Warren	- KY	1.26	Tree(s) # of Trees 25 End mp 1.30
Warren	- KY	1.69	Tree(s) # of Trees 10 End mp 1.70
Warren	- KY	1.90	Tree(s) # of Trees 7 End mp 2.59

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County	State	Milepoint	Feature
Warren	- KY	2.60	Tree(s) # of Trees 10 End mp 2.70
Warren	- KY	3.20	Junction KY 242 Heading South
Warren	- KY	3.52	Sinkhole
Warren	- KY	3.90	Tree(s) # of Trees 1 End mp 3.90
Warren	- KY	4.49	Tree(s) # of Trees 10 End mp 4.50
Warren	- KY	5.00	Junction KY 1083 Heading West
Warren	- KY	5.38	Tree(s) # of Trees 15 End mp 5.40
Warren	- KY	5.70	Tree(s) # of Trees 1 End mp 5.70
Warren	- KY	6.42	Tree(s) # of Trees 20 End mp 6.70
Warren	- KY	7.01	Sinkhole
Warren	- KY	7.50	Junction KY 432 Heading North
Warren	- KY	7.60	Pipeline
Warren	- KY	7.80	Powerline
Warren	- KY	8.20	Bridge
Warren	- KY	8.20	Two Identical Bridges at this Milepoint
Warren	- KY	9.00	Pipeline
Warren	- KY	9.00	May 11, 1987 - Beginning of Quake Study
Warren	- KY	9.00	City of Bowling Green

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County	State	Milepoint	Feature
Logan	- KY	0.82	Tree(s) # of Trees 10 End mp 0.85
Logan	- KY	1.50	Tree(s) # of Trees 6 End mp 1.55
Logan	- KY	1.82	Tree(s) # of Trees 6 End mp 1.85
Logan	- KY	1.95	Junction KY 775 Heading Southeast
Logan	- KY	2.90	Fill
Logan	- KY	2.91	Bridge
Logan	- KY	3.00	Fill
Logan	- KY	3.05	Tree(s) # of Trees 1 End mp 3.05
Logan	- KY	3.55	Junction KY 1309 Heading North & South
Logan	- KY	4.64	Bridge
Logan	- KY	4.65	Fill
Logan	- KY	4.65	Tree(s) # of Trees 2 End mp 4.65
Logan	- KY	4.75	Fill
Logan	- KY	4.75	Tree(s) # of Trees 4 End mp 4.75
Logan	- KY	4.75	Barn Within 15' of Road
Logan	- KY	5.10	Fill
Logan	- KY	5.10	Swamp
Logan	- KY	5.20	Junction KY 1151 Heading South
Logan	- KY	5.25	Junction KY 1151 Heading North
Logan	- KY	5.89	Fill
Logan	- KY	5.93	Bridge
Logan	- KY	5.95	Tree(s) # of Trees 6 End mp 5.95
Logan	- KY	6.30	Tree(s) # of Trees 3 End mp 6.30
Logan	- KY	7.30	Junction KY 1041 Heading South
Logan	- KY	7.94	Tree(s) # of Trees 20 End mp 8.00
Logan	- KY	9.14	Tree(s) # of Trees 30 End mp 9.20
Logan	- KY	9.38	Tree(s) # of Trees 20 End mp 9.40
Logan	- KY	9.43	Bridge
Logan	- KY	9.50	Tree(s) # of Trees 10 End mp 9.50
Logan	- KY	9.60	Powerline
Logan	- KY	9.80	Tree(s) # of Trees 6 End mp 9.80
Logan	- KY	10.75	Juncton KY 3233 Heading South
Logan	- KY	11.05	Tree(s) # of Trees 2 End mp 11.05
Todd	- KY	0.25	Junction KY 181 Heading North & South
Todd	- KY	0.45	Junction US 41 Heading NW-SE
Todd	- KY	1.85	Junction KY 346 Heading South
Todd	- KY	1.90	Fill
Todd	- KY	1.95	Bridge
Todd	- KY	2.00	Fill
Todd	- KY	2.12	Tree(s) # of Trees 20 End mp 2.20
Todd	- KY	3.95	Junction KY 484 Heading North & South
Todd	- KY	7.45	Fill
Todd	- KY	7.55	Fill
Todd	- KY	7.61	Bridge
Todd	- KY	8.60	Crop Service Business-Hazardous Chemicals
Todd	- KY	8.70	Junction KY 102 Heading South
Todd	- KY	10.27	Tree(s) # of Trees 12 End mp 10.30
Todd	- KY	10.55	Todd Co - Logan Co Border
Henry	- TN	14.15	Junction TN 356
Henry	- TN	15.35	City of Paris
Henry	- TN	15.40	Powerline
Henry	- TN	15.40	Fill
Henry	- TN	15.45	Bridge



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County	State	Milepoint	Feature					
Henry	- TN	15.50	Fill					
Henry	- TN	15.60	Fill					
Henry	- TN	15.65	Bridge					
Henry	- TN	15.75	Fill					
Henry	- TN	17.95	Tree(s)	# of Trees	7	End mp	17.93	
Henry	- TN	19.75	Bridge					
Henry	- TN	20.40	Junction	TN 218 Heading	North			
Henry	- TN	21.50	Tree(s)	# of Trees	50	End mp	22.73	
Henry	- TN	22.05	Fill					
Henry	- TN	22.10	Bridge					
Henry	- TN	22.36	Fill					
Henry	- TN	22.73	Tree(s)	# of Trees	100	End mp	21.50	
Henry	- TN	22.84	Tree(s)	# of Trees	15	End mp	22.90	
Henry	- TN	22.88	Fill					
Henry	- TN	23.75	Tree(s)	# of Trees	5	End mp	23.75	
Henry	- TN	23.89	Tree(s)	# of Trees	20	End mp	23.95	
Henry	- TN	24.00	Fill					
Henry	- TN	24.15	Fill					
Henry	- TN	24.45	Fill					
Henry	- TN	24.45	Gravel Pit					
Henry	- TN	24.54	Tree(s)	# of Trees	12	End mp	24.85	
Henry	- TN	25.30	Tree(s)	# of Trees	20	End mp	25.10	
Henry	- TN	25.37	Powerline					
Henry	- TN	26.15	Powerline					
Henry	- TN	26.50	Tree(s)	# of Trees	20	End mp	26.30	
Henry	- TN	26.90	Tree(s)	# of Trees	20	End mp	26.70	
Henry	- TN	27.00	Fill					
Henry	- TN	27.05	Bridge					
Henry	- TN	27.10	Fill					
Henry	- TN	27.45	Junction	TN 140 Heading	West			
Henry	- TN	28.20	Tree(s)	# of Trees	20	End mp	28.00	
Henry	- TN	28.85	Fill					
Henry	- TN	28.90	Bridge					
Henry	- TN	28.95	Fill					
Henry	- TN	29.60	Tree(s)	# of Trees	20	End mp	29.40	
Henry	- TN	30.00	Fill					
Henry	- TN	30.05	Junction	TN 119 Heading	North			
Henry	- TN	31.00	Fill					
Henry	- TN	31.15	Henry Co - Stewart Co	Border				
Montgomery	- TN	0.00	Stewart Co - Montgomery Co	Border				
Montgomery	- TN	1.10	Tree(s)	# of Trees	15	End mp	1.00	
Montgomery	- TN	1.81	Tree(s)	# of Trees	25	End mp	2.00	
Montgomery	- TN	2.00	Tree(s)	# of Trees	20	End mp	1.70	
Montgomery	- TN	2.40	Tree(s)	# of Trees	10	End mp	2.38	
Montgomery	- TN	2.85	Tree(s)	# of Trees	5	End mp	2.70	
Montgomery	- TN	3.00	Tree(s)	# of Trees	5	End mp	2.98	
Montgomery	- TN	3.44	Oakwood City Limits					
Montgomery	- TN	3.55	Tree(s)	# of Trees	4	End mp	4.30	
Montgomery	- TN	5.55	Junction	TN 233 Heading	South			
Montgomery	- TN	5.80	Tree(s)	# of Trees	20	End mp	5.85	
Montgomery	- TN	6.44	Tree(s)	# of Trees	10	End mp	6.50	
Montgomery	- TN	7.65	Tree(s)	# of Trees	10	End mp	7.63	
Montgomery	- TN	9.30	Tree(s)	# of Trees	5	End mp	9.30	

Report by County and Milepoint  
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County	State	Milepoint	Feature
Montgomery	- TN	10.75	Tree(s) # of Trees 20 End mp 10.70
Montgomery	- TN	12.50	Powerline
Montgomery	- TN	12.63	Powerline
Montgomery	- TN	13.20	Junction US 41A Heading North
Montgomery	- TN	16.50	Bridge
Montgomery	- TN	16.50	Bridge
Montgomery	- TN	16.50	Bridge
Montgomery	- TN	16.50	Bridge
Montgomery	- TN	16.50	Gasline
Montgomery	- TN	20.60	Water Tower, 100' from Road, 150' High
Montgomery	- TN	21.34	Powerline
Montgomery	- TN	21.34	US 79 Bypass
Montgomery	- TN	21.35	Powerline
Montgomery	- TN	21.55	Fill
Montgomery	- TN	21.70	Bridge
Montgomery	- TN	21.70	Bridge
Montgomery	- TN	21.70	Bridge
Montgomery	- TN	21.70	Bridge
Montgomery	- TN	21.70	Bridge
Montgomery	- TN	21.83	Fill
Montgomery	- TN	21.83	Tree(s) # of Trees 25 End mp 21.75
Montgomery	- TN	22.40	Powerline
Montgomery	- TN	22.50	Fill
Montgomery	- TN	22.85	Powerline
Montgomery	- TN	23.55	Junction TN 48 Heading North
Montgomery	- TN	24.35	Junction TN 374 Heading South
Montgomery	- TN	26.00	Powerline
Montgomery	- TN	26.65	Bridge
Montgomery	- TN	26.65	Junction I 24 Heading North & South
Montgomery	- TN	26.66	Bridge
Montgomery	- TN	27.00	Clarksville City Limits
Montgomery	- TN	28.35	Pipeline
Montgomery	- TN	28.35	Powerline
Montgomery	- TN	28.35	Fill
Montgomery	- TN	29.20	Fill
Montgomery	- TN	30.90	Pond 25' from road, (300 x 400)'
Montgomery	- TN	31.00	Fill
Montgomery	- TN	31.05	Pond 25' from road, (300 x 400)'
Montgomery	- TN	31.35	Fill
Montgomery	- TN	31.40	Bridge
Montgomery	- TN	31.45	Fill
Montgomery	- TN	31.95	Tennessee - KY (Todd Co) Border
Stewart	- TN	0.00	Stewart Co - Henry Co Boundary
Stewart	- TN	0.30	Bridge
Stewart	- TN	0.30	Bridge
Stewart	- TN	0.65	Bridge
Stewart	- TN	0.95	Fill
Stewart	- TN	0.95	KenLake
Stewart	- TN	1.50	Fill
Stewart	- TN	1.70	Fill
Stewart	- TN	2.10	Fill
Stewart	- TN	3.00	Fill
Stewart	- TN	3.40	Fill

Report by County and Milepoint  
for US-79

Continued

County	State	Milepoint	Feature
Stewart	- TN	3.60	Fill
Stewart	- TN	3.85	Fill
Stewart	- TN	4.20	Fill
Stewart	- TN	4.40	Junction TN 232 Heading South
Stewart	- TN	5.55	Fill
Stewart	- TN	5.55	Guardrails Sag !!!
Stewart	- TN	5.75	Fill
Stewart	- TN	6.00	Fill
Stewart	- TN	7.25	Fill
Stewart	- TN	8.05	Fill
Stewart	- TN	8.60	Fill
Stewart	- TN	10.15	Junction "The Trace" Heading North
Stewart	- TN	10.50	Tank
Stewart	- TN	10.90	Fill
Stewart	- TN	11.00	Fill
Stewart	- TN	11.40	Fill
Stewart	- TN	12.00	Fill
Stewart	- TN	12.17	Fill
Stewart	- TN	12.55	Fill
Stewart	- TN	12.95	Fill
Stewart	- TN	13.20	Junction TN 49 Heading South
Stewart	- TN	13.25	City of Dover
Stewart	- TN	13.55	Bridge
Stewart	- TN	13.55	Bridge
Stewart	- TN	13.65	Fill
Stewart	- TN	14.20	Bridge
Stewart	- TN	14.30	Fill
Stewart	- TN	14.70	Fill
Stewart	- TN	15.15	Fill
Stewart	- TN	15.15	Lake
Stewart	- TN	15.30	Fill
Stewart	- TN	15.45	Fill
Stewart	- TN	15.90	Fill
Stewart	- TN	15.90	Tree(s) # of Trees 15 End mp 16.00
Stewart	- TN	16.10	Fill
Stewart	- TN	16.35	Fill
Stewart	- TN	16.40	Bridge
Stewart	- TN	16.45	Fill
Stewart	- TN	16.87	Fill
Stewart	- TN	16.90	Fill
Stewart	- TN	17.50	Tree(s) # of Trees 20 End mp 17.30
Stewart	- TN	18.80	Bridge
Stewart	- TN	18.85	Fill
Stewart	- TN	19.10	Tree(s) # of Trees 3 End mp 19.10
Stewart	- TN	20.40	Fill
Stewart	- TN	20.85	Powerline
Stewart	- TN	20.90	Fill
Stewart	- TN	21.20	Fill
Stewart	- TN	21.60	Fill
Stewart	- TN	22.20	Junction TN 120 Heading North
Stewart	- TN	24.08	Tree(s) # of Trees 6 End mp 24.10
Stewart	- TN	25.65	Tree(s) # of Trees 15 End mp 25.84
Stewart	- TN	25.70	Junction TN 46 Heading South

Report by County and Milepoint  
for US-79

Continued

County	-	State	Milepoint	Feature
Stewart	-	TN	25.95	Tree(s) # of Trees 3 End mp 25.95
Stewart	-	TN	26.12	Tree(s) # of Trees 60 End mp 27.20
Stewart	-	TN	27.35	Tree(s) # of Trees 3 End mp 27.35
Stewart	-	TN	27.56	Tree(s) # of Trees 50 End mp 27.80
Stewart	-	TN	27.90	Stewart Co - Montgomery Co Border

Report by County and Milepoint  
for US-231

County	State	Milepoint	Feature
Butler	- KY	0.00	Butler Co - Warren Co Boundary
Butler	- KY	1.10	Powerline
Butler	- KY	1.40	Junction KY 1083 Heading South
Butler	- KY	1.60	Tree(s) # of Trees 50 End mp 1.80
Butler	- KY	3.15	Pipeline
Butler	- KY	3.20	Junction KY 1435 Heading East
Butler	- KY	3.50	Tree(s) # of Trees 20 End mp 3.55
Butler	- KY	3.65	Fault
Butler	- KY	4.48	Tree(s) # of Trees 50 End mp 4.73
Butler	- KY	4.63	Bridge
Butler	- KY	5.28	Tree(s) # of Trees 50 End mp 5.53
Butler	- KY	5.90	Tree(s) # of Trees 35 End mp 6.05
Butler	- KY	6.60	Tree(s) # of Trees 50 End mp 7.00
Butler	- KY	7.29	Tree(s) # of Trees 3 End mp 7.30
Butler	- KY	7.93	Fault
Butler	- KY	8.00	Bridge
Butler	- KY	8.20	KY 79 Joins US 231 Heading South
Butler	- KY	8.60	Junction Ky 1468 Heading West
Butler	- KY	8.80	Bridge
Butler	- KY	8.80	Green River Parkway Bridges
Butler	- KY	8.80	Two Bridges - Same Data For Both
Butler	- KY	8.80	Quarry 500' Northwest of Road
Butler	- KY	9.18	Tree(s) # of Trees 20 End mp 9.20
Butler	- KY	9.92	Bridge
Butler	- KY	10.00	Tree(s) # of Trees 10 End mp 10.00
Butler	- KY	10.54	Tree(s) # of Trees 30 End mp 10.60
Butler	- KY	10.80	City of Morgantown
Butler	- KY	10.80	Junction KY 403 Heading East
Butler	- KY	10.90	Building
Butler	- KY	11.50	Junction KY 403 Heading West
Butler	- KY	11.60	Junction KY 70 Heading East
Butler	- KY	12.00	Fill
Butler	- KY	12.10	Pipeline
Butler	- KY	12.10	Gas Line Under Bridge, Runs Entire Length
Butler	- KY	12.26	Bridge
Butler	- KY	13.30	US 231 Leaves KY 79 Heading North
Butler	- KY	13.55	Junction KY 1328 Heading East
Butler	- KY	13.60	Powerline
Butler	- KY	14.30	Junction KY 70 Heading East
Butler	- KY	15.10	Pipeline
Butler	- KY	15.40	Tree(s) # of Trees 40 End mp 15.48
Butler	- KY	15.70	Powerline
Butler	- KY	16.30	Fill
Butler	- KY	16.32	Bridge
Butler	- KY	16.58	Fault
Butler	- KY	16.70	Junction KY 1118 Heading North
Butler	- KY	16.87	Caved Adits
Butler	- KY	17.11	Bridge
Butler	- KY	17.30	Tree(s) # of Trees 5 End mp 17.31
Butler	- KY	17.40	Cutslope
Butler	- KY	17.76	Bridge
Butler	- KY	18.50	Tree(s) # of Trees 150 End mp 18.70
Butler	- KY	18.80	Ohio Co - Butler Co Boundary

Report by County and Milepoint  
for US-231

Continued

County	State	Milepoint	Feature
Daviess	- KY	0.00	Daviess Co - Ohio Co Boundary
Daviess	- KY	0.90	Tree(s) # of Trees 50 End mp 1.10
Daviess	- KY	1.25	Junction KY 764 Heading East
Daviess	- KY	1.29	Caved Mine Adit
Daviess	- KY	1.40	Junction KY 140 Heading Southwest
Daviess	- KY	2.00	Powerline
Daviess	- KY	3.20	Pipeline
Daviess	- KY	3.42	Fault
Daviess	- KY	3.60	Tree(s) # of Trees 15 End mp 3.66
Daviess	- KY	3.76	Bridge
Daviess	- KY	3.91	Bridge
Daviess	- KY	3.92	Fault
Daviess	- KY	4.03	Bridge
Daviess	- KY	4.18	Bridge
Daviess	- KY	4.29	Bridge
Daviess	- KY	4.90	Junction KY 142 Heading North
Daviess	- KY	6.80	Powerline
Daviess	- KY	7.10	Pipeline
Daviess	- KY	8.40	Junction KY 298 Heading North
Daviess	- KY	8.70	Powerline
Daviess	- KY	8.84	Bridge
Daviess	- KY	8.94	Bridge
Daviess	- KY	9.22	Bridge
Daviess	- KY	10.00	Powerline
Daviess	- KY	11.20	Junction US 60 Heading Northeast-West
Daviess	- KY	11.29	Bridge
Daviess	- KY	11.29	Two Identical Bridges - O'boro Beltline
Ohio	- KY	0.00	Ohio Co - Butler Co Boundary
Ohio	- KY	0.10	Fill
Ohio	- KY	0.40	Fill
Ohio	- KY	1.50	Fill
Ohio	- KY	1.60	Tree(s) # of Trees 1 End mp 1.60
Ohio	- KY	1.70	Junction KY 505 Heading Northwest
Ohio	- KY	2.30	Tree(s) # of Trees 1 End mp 2.30
Ohio	- KY	2.40	Pipeline
Ohio	- KY	2.60	Tree(s) # of Trees 2 End mp 2.61
Ohio	- KY	2.90	Tree(s) # of Trees 5 End mp 2.94
Ohio	- KY	3.60	Tree(s) # of Trees 10 End mp 3.90
Ohio	- KY	5.10	Powerline
Ohio	- KY	5.10	Tree(s) # of Trees 10 End mp 5.35
Ohio	- KY	5.35	Fill
Ohio	- KY	5.60	Tree(s) # of Trees 20 End mp 6.00
Ohio	- KY	5.80	Junction KY 269 Heading South
Ohio	- KY	5.85	Fill
Ohio	- KY	6.32	Tree(s) # of Trees 15 End mp 6.40
Ohio	- KY	6.60	Powerline
Ohio	- KY	6.70	Bridge
Ohio	- KY	6.70	Two Bridges - Same Data For Both
Ohio	- KY	6.70	Junction Western KY Parkway Heading E-W
Ohio	- KY	7.20	Powerline
Ohio	- KY	7.30	Powerline
Ohio	- KY	7.70	Fill
Ohio	- KY	8.55	Fill

Report by County and Milepoint  
for US-231

Continued

County	State	Milepoint	Feature
Ohio	- KY	8.81	Strip Mine - Runs to 9.36 milepoint
Ohio	- KY	8.85	Sign
Ohio	- KY	9.30	Junction KY 369 Heading South
Ohio	- KY	9.50	City of Hartford
Ohio	- KY	10.00	Tree(s) # of Trees 2 End mp 10.00
Ohio	- KY	10.00	Mileposts Inaccurate Inside City Limits
Ohio	- KY	10.00	City of Beaver Dam
Ohio	- KY	10.70	Junction US 62 Heading West
Ohio	- KY	11.46	Bridge
Ohio	- KY	11.80	Fill
Ohio	- KY	11.95	Bridge
Ohio	- KY	11.95	Fill
Ohio	- KY	12.10	Junction KY 69 Heading Northeast
Ohio	- KY	12.25	Fill
Ohio	- KY	12.30	Bridge
Ohio	- KY	12.35	Fill
Ohio	- KY	13.20	Junction KY 1543 Heading Southeast
Ohio	- KY	13.20	Junction KY 69 Heading Southeast
Ohio	- KY	13.32	Bridge
Ohio	- KY	13.40	Fill
Ohio	- KY	13.49	Bridge
Ohio	- KY	13.50	Fill
Ohio	- KY	13.85	Bridge Use 13.45 mp Data-
Ohio	- KY	13.88	Bridge
Ohio	- KY	13.90	Fill
Ohio	- KY	14.12	Bridge
Ohio	- KY	14.15	Fill
Ohio	- KY	14.40	Pipeline
Ohio	- KY	14.50	Pipeline
Ohio	- KY	14.80	Junction KY 136 Heading Northwest
Ohio	- KY	15.30	Fill
Ohio	- KY	15.60	Junction KY 1737 Heading North
Ohio	- KY	15.70	Fill
Ohio	- KY	15.80	Bridge
Ohio	- KY	15.85	Fill
Ohio	- KY	16.63	Fault
Ohio	- KY	16.70	Fill
Ohio	- KY	16.80	Residential Gas Pipeline
Ohio	- KY	16.85	Fill
Ohio	- KY	17.15	Fill
Ohio	- KY	17.25	Abandoned Coal Adit
Ohio	- KY	17.40	Pipeline
Ohio	- KY	17.60	Fill
Ohio	- KY	17.70	Pipeline
Ohio	- KY	18.05	Powerline
Ohio	- KY	18.29	Fault
Ohio	- KY	18.40	Fill
Ohio	- KY	18.70	Pipeline
Ohio	- KY	18.70	Fill
Ohio	- KY	18.87	Fault
Ohio	- KY	19.30	Pipeline
Ohio	- KY	19.35	Fill
Ohio	- KY	19.40	Pipeline

Report by County and Milepoint  
for US-231

Continued

County	State	Milepoint	Feature
Ohio	- KY	19.48	Fault
Ohio	- KY	19.54	Fault
Ohio	- KY	19.55	Fill
Ohio	- KY	19.55	Pond -(60 x 60)', 30' from Road
Ohio	- KY	19.75	Fault
Ohio	- KY	19.86	Fault
Ohio	- KY	20.00	Tree(s) # of Trees 50 End mp 20.10
Ohio	- KY	20.05	Fault
Ohio	- KY	20.10	Cutslope
Ohio	- KY	20.20	Fault
Ohio	- KY	20.20	Junction KY 1414 Heading East
Ohio	- KY	20.25	Fill
Ohio	- KY	20.30	Bridge
Ohio	- KY	20.35	Fill
Ohio	- KY	21.25	Fill
Ohio	- KY	21.40	Fill
Ohio	- KY	21.50	Fill
Ohio	- KY	21.65	Fill
Ohio	- KY	21.90	Fill
Ohio	- KY	22.59	Pond: (150 x 200)', 70' from Road
Ohio	- KY	22.60	Fill
Ohio	- KY	22.80	Fill
Ohio	- KY	22.90	Pipeline
Ohio	- KY	23.30	Fill
Ohio	- KY	23.70	Fill
Ohio	- KY	23.90	Pipeline
Ohio	- KY	24.15	Fill
Ohio	- KY	24.30	Daviess Co - Ohio Co Boundary
Warren	- KY	14.10	Begin US 231 Quake Study
Warren	- KY	14.50	Powerline
Warren	- KY	14.50	Powerline
Warren	- KY	14.50	Steel Tower - 60' ht, 40' from Road
Warren	- KY	15.43	Bridge
Warren	- KY	15.50	Green River Parkway Bridge
Warren	- KY	16.51	Tree(s) # of Trees 200 End mp 16.80
Warren	- KY	17.80	Powerline
Warren	- KY	18.40	Tree(s) # of Trees 100 End mp 18.77
Warren	- KY	19.39	Tree(s) # of Trees 3 End mp 19.40
Warren	- KY	19.80	Tree(s) # of Trees 2 End mp 19.81
Warren	- KY	20.95	Tree(s) # of Trees 25 End mp 21.10
Warren	- KY	21.50	Powerline
Warren	- KY	21.53	Bridge
Warren	- KY	21.70	Tree(s) # of Trees 100 End mp 21.98
Warren	- KY	21.90	Shoulder Failure Right Side, 100' Drop
Warren	- KY	22.00	KY 626 Joins US 231 Heading South
Warren	- KY	22.61	Bridge
Warren	- KY	22.90	Tree(s) # of Trees 25 End mp 23.18
Warren	- KY	23.20	KY 626 Leaves US 231 Heading North
Warren	- KY	23.79	Tree(s) # of Trees 10 End mp 23.80
Warren	- KY	24.21	Tree(s) # of Trees 100 End mp 24.40
Warren	- KY	25.40	Tree(s) # of Trees 200 End mp 25.88
Warren	- KY	25.50	Tree(s) # of Trees 200 End mp 26.08
Warren	- KY	26.50	Butler Co - Warren Co Boundary



Report by County and Milepoint  
for US-431

County	State	Milepoint	Feature
Logan	- KY	14.00	Intersection US 68 - KY 80
Logan	- KY	14.00	City of Russellville
Logan	- KY	17.10	Tree(s) # of Trees 75 End mp 17.50
Logan	- KY	17.50	Junction KY 1040 Heading Northeast
Logan	- KY	19.20	Powerline
Logan	- KY	19.80	Pipeline
Logan	- KY	20.03	Fault
Logan	- KY	20.31	Bridge
Logan	- KY	20.80	Tree(s) # of Trees 7 End mp 20.83
Logan	- KY	21.81	Quarry
Logan	- KY	22.03	Quarry
Logan	- KY	22.26	Fault
Logan	- KY	22.45	Fault
Logan	- KY	22.55	Fault
Logan	- KY	22.80	Fault
Logan	- KY	22.87	Fault
Logan	- KY	23.20	Tree(s) # of Trees 2 End mp 23.23
Logan	- KY	23.30	Powerline
Logan	- KY	23.59	Fault
Logan	- KY	24.50	Junction KY 106 Heading Southwest
Logan	- KY	24.70	Junction KY 107 Heading West
Logan	- KY	25.10	Junction KY 106 Heading Northeast
Logan	- KY	25.48	Fault
Logan	- KY	26.50	Tree(s) # of Trees 5 End mp 26.52
Logan	- KY	27.41	Bridge
Logan	- KY	27.60	Fill
Logan	- KY	27.60	Tree(s) # of Trees 50 End mp 27.80
Logan	- KY	27.73	Bridge
Logan	- KY	28.01	Cut Slope
Logan	- KY	28.30	Tree(s) # of Trees 200 End mp 29.70
Logan	- KY	28.91	Bridge
Logan	- KY	30.28	Abandoned Quarry
Logan	- KY	31.00	Tree(s) # of Trees 100 End mp 30.30
Logan	- KY	31.10	Cutslope
Logan	- KY	31.80	Logan Co - Muhlenberg Co Boundary
Muhlenberg	- KY	0.00	Muhlenberg Co - Logan Co Boundary
Muhlenberg	- KY	0.20	Junction KY 1293 Heading Southeast
Muhlenberg	- KY	0.50	Junction KY 973 Heading Northwest
Muhlenberg	- KY	1.90	Tree(s) # of Trees 150 End mp 2.00
Muhlenberg	- KY	2.80	Junction KY 949 Heading East
Muhlenberg	- KY	3.45	Bridge
Muhlenberg	- KY	3.56	Lake Malone Flood Plain 3.03 miles SW
Muhlenberg	- KY	3.63	Bridge
Muhlenberg	- KY	4.00	Tree(s) # of Trees 350 End mp 6.60
Muhlenberg	- KY	4.10	Fault
Muhlenberg	- KY	4.63	Twin Tunnel System
Muhlenberg	- KY	5.05	Twin Tunnel System
Muhlenberg	- KY	5.39	Twin Tunnel System
Muhlenberg	- KY	5.50	Fault
Muhlenberg	- KY	6.28	Belton Fault
Muhlenberg	- KY	7.13	Belton Shaft (2000' East of Road)
Muhlenberg	- KY	7.40	Powerline
Muhlenberg	- KY	8.00	Junction KY 246 Heading West

Report by County and Milepoint  
for US-431

Continued

County	State	Milepoint	Feature
Muhlenberg	- KY	8.06	Tree(s) # of Trees 75 End mp 8.70
Muhlenberg	- KY	9.05	Tree(s) # of Trees 100 End mp 10.00
Muhlenberg	- KY	9.80	Junction KY 70 Heading East
Muhlenberg	- KY	10.03	South Browder System
Muhlenberg	- KY	10.36	South Browder System
Muhlenberg	- KY	10.55	Browder Shaft (750' East of Road)
Muhlenberg	- KY	10.74	North Browder System
Muhlenberg	- KY	11.30	Water Tower
Muhlenberg	- KY	11.50	Junction KY 176 Heading Northeast
Muhlenberg	- KY	11.50	Swamp
Muhlenberg	- KY	12.01	Fault
Muhlenberg	- KY	12.13	Inclined Shaft
Muhlenberg	- KY	12.46	Bridge
Muhlenberg	- KY	12.80	Fill
Muhlenberg	- KY	13.00	Powerline
Muhlenberg	- KY	13.20	Cutslope
Muhlenberg	- KY	13.31	Bridge
Muhlenberg	- KY	13.38	Water Impoundment
Muhlenberg	- KY	13.60	Cutslope
Muhlenberg	- KY	13.61	Tree(s) # of Trees 200 End mp 13.80
Muhlenberg	- KY	13.71	Strip Mine Runs to 13.19 mp
Muhlenberg	- KY	14.32	Fault
Muhlenberg	- KY	14.40	Powerline
Muhlenberg	- KY	14.51	Tree(s) # of Trees 200 End mp 14.70
Muhlenberg	- KY	15.25	Clinton Shaft
Muhlenberg	- KY	15.32	Pond (West of Road)
Muhlenberg	- KY	15.40	Mine
Muhlenberg	- KY	15.70	Railroad Crossing
Muhlenberg	- KY	16.27	Holt Shaft
Muhlenberg	- KY	16.40	Cutslope
Muhlenberg	- KY	17.48	Bridge
Muhlenberg	- KY	17.48	Junction Western KY Parkway Heading NE-SW
Muhlenberg	- KY	17.50	Central City
Muhlenberg	- KY	18.41	Central City Shaft

Report by County and Milepoint  
for US 641

County	State	Milepoint	Feature
Caldwell	- KY	1.43	Bridge
Caldwell	- KY	2.90	Begin US 641 Near Fredonia
Caldwell	- KY	3.10	Junction KY 902 Heading East
Caldwell	- KY	3.20	Junction KY 902 Heading West
Caldwell	- KY	3.70	Power Line Parallel to Road to 4.40 mp
Caldwell	- KY	4.55	Pipeline
Caldwell	- KY	4.60	Caldwell Co - Crittenden Co Boundary
Caldwell	- KY	4.62	Bridge
Calloway	- KY	0.10	City of Hazel in Kentucky
Calloway	- KY	0.55	Tree(s) # of Trees 10 End mp 0.59
Calloway	- KY	1.10	Fill
Calloway	- KY	1.15	Bridge
Calloway	- KY	1.20	Fill
Calloway	- KY	1.60	Tree(s) # of Trees 20 End mp 1.68
Calloway	- KY	1.80	Tree(s) # of Trees 10 End mp 1.86
Calloway	- KY	2.10	Tree(s) # of Trees 1 End mp 2.10
Calloway	- KY	2.65	Tree(s) # of Trees 2 End mp 2.67
Calloway	- KY	3.25	Tree(s) # of Trees 12 End mp 3.31
Calloway	- KY	3.50	Junction KY 1828 Heading East & West
Calloway	- KY	3.75	Tree(s) # of Trees 1 End mp 3.75
Calloway	- KY	5.49	Bridge
Calloway	- KY	5.50	Fill
Calloway	- KY	5.60	Fill
Calloway	- KY	5.65	Fill
Calloway	- KY	5.66	Bridge
Calloway	- KY	5.75	Fill
Calloway	- KY	6.30	Tree(s) # of Trees 10 End mp 6.33
Calloway	- KY	6.30	City of Murray
Calloway	- KY	8.90	Fill
Calloway	- KY	8.92	Bridge
Calloway	- KY	8.95	Fill
Calloway	- KY	9.10	Powerline
Calloway	- KY	11.75	Junction KY 1429 Heading West
Calloway	- KY	12.30	Junction KY 1824 Heading North
Calloway	- KY	13.80	Junction KY 464 Heading East & West
Calloway	- KY	14.45	Fill
Calloway	- KY	15.60	Fill
Calloway	- KY	15.65	Bridge
Calloway	- KY	15.65	North and Southbound Bridges
Calloway	- KY	15.70	Fill
Calloway	- KY	15.81	Bridge
Calloway	- KY	15.85	Fill
Calloway	- KY	16.90	Junction KY 1346 Heading East
Calloway	- KY	17.45	Calloway Co - Marshall Co Boundary
Crittenden	- KY	0.00	Crittenden Co - Caldwell Co Boundary
Crittenden	- KY	0.40	Pipeline
Crittenden	- KY	0.40	Tree(s) # of Trees 5 End mp 0.41
Crittenden	- KY	0.45	Powerline
Crittenden	- KY	0.55	Tree(s) # of Trees 50 End mp 0.95
Crittenden	- KY	1.10	Junction KY 70 Heading Southwest
Crittenden	- KY	1.30	Tree(s) # of Trees 1 End mp 1.30
Crittenden	- KY	1.55	Tree(s) # of Trees 5 End mp 1.59
Crittenden	- KY	2.10	Tree(s) # of Trees 5 End mp 2.12

Report by County and Milepoint  
for US-641

Continued

County	State	Milepoint	Feature
Crittenden	- KY	2.90	Tree(s) # of Trees 1 End mp 2.90
Crittenden	- KY	3.20	Tree(s) # of Trees 50 End mp 3.40
Crittenden	- KY	3.46	Fault
Crittenden	- KY	3.50	Tank
Crittenden	- KY	3.59	Fault
Crittenden	- KY	3.70	Tree(s) # of Trees 20 End mp 3.90
Crittenden	- KY	4.05	Powerline
Crittenden	- KY	5.10	Tree(s) # of Trees 50 End mp 5.30
Crittenden	- KY	5.28	Fault Chapel Hill Fault
Crittenden	- KY	5.35	Cutslope
Crittenden	- KY	5.36	Bridge
Crittenden	- KY	6.00	Tree(s) # of Trees 75 End mp 6.20
Crittenden	- KY	6.70	Tree(s) # of Trees 10 End mp 6.72
Crittenden	- KY	7.10	Tree(s) # of Trees 50 End mp 7.30
Crittenden	- KY	7.17	Fault Claylick Fault System
Crittenden	- KY	7.21	Fault Claylick Fault System
Crittenden	- KY	7.40	Junction US 60 Heading West
Crittenden	- KY	7.40	City of Marion
Marshall	- KY	0.20	Fill
Marshall	- KY	0.24	Bridge
Marshall	- KY	0.30	Fill
Marshall	- KY	1.25	Junction KY 80 Heading East & West
Marshall	- KY	4.15	Junction KY 783 Heading East & West
Marshall	- KY	5.70	Tree(s) # of Trees 1 End mp 5.70
Marshall	- KY	5.85	Fill
Marshall	- KY	5.85	Tree(s) # of Trees 25 End mp 5.91
Marshall	- KY	6.00	Junction KY 1518
Marshall	- KY	6.15	Tree(s) # of Trees 30 End mp 6.24
Marshall	- KY	6.20	City of Benton
Marshall	- KY	6.60	Tree(s) # of Trees 12 End mp 6.66
Marshall	- KY	7.40	Tree(s) # of Trees 12 End mp 7.43
Marshall	- KY	9.40	Bridge
Marshall	- KY	9.45	Fill
Marshall	- KY	9.80	Fill
Marshall	- KY	9.83	Bridge
Marshall	- KY	9.85	Fill
Marshall	- KY	9.87	Bridge
Marshall	- KY	9.94	Fill
Marshall	- KY	10.35	Pipeline
Marshall	- KY	10.40	Fill
Marshall	- KY	10.42	Cutslope
Marshall	- KY	10.60	Cutslope
Marshall	- KY	10.90	Tree(s) # of Trees 40 End mp 10.94
Marshall	- KY	11.38	Pipeline
Marshall	- KY	11.39	Tree(s) # of Trees 20 End mp 11.41
Marshall	- KY	11.40	Junction KY 581
Marshall	- KY	11.70	Tree(s) # of Trees 2 End mp 11.70
Marshall	- KY	11.78	Tree(s) # of Trees 4 End mp 11.78
Marshall	- KY	11.80	Pipeline
Marshall	- KY	11.90	Fill
Marshall	- KY	12.00	Tree(s) # of Trees 5 End mp 12.10
Marshall	- KY	12.10	Fill
Marshall	- KY	12.20	Tree(s) # of Trees 4 End mp 12.21

Report by County and Milepoint  
for US-641

Continued

County	State	Milepoint	Feature
Marshall	- KY	12.30	Tree(s) # of Trees 10 End mp 12.32
Marshall	- KY	12.39	Draffenville City Limits
Marshall	- KY	12.80	Junction US 68
Henry	- TN	11.50	Tree(s) # of Trees 50 End mp 11.85
Henry	- TN	11.50	Begin US 641 in Henry Co
Henry	- TN	11.68	Fill
Henry	- TN	11.70	Bridge
Henry	- TN	11.80	Fill
Henry	- TN	11.82	Bridge
Henry	- TN	11.85	Fill
Henry	- TN	12.60	Tree(s) # of Trees 20 End mp 12.30
Henry	- TN	12.70	City of Paris
Henry	- TN	13.10	Fill
Henry	- TN	13.10	Tree(s) # of Trees 15 End mp 13.14
Henry	- TN	13.35	Fill
Henry	- TN	13.55	Fill
Henry	- TN	13.55	Swamp or Drained Lake
Henry	- TN	13.70	Fill
Henry	- TN	13.90	Tree(s) # of Trees 6 End mp 13.93
Henry	- TN	14.15	Lake
Henry	- TN	14.40	Tree(s) # of Trees 50 End mp 14.70
Henry	- TN	14.55	Fill
Henry	- TN	15.35	Tree(s) # of Trees 2 End mp 15.35
Henry	- TN	15.60	Tree(s) # of Trees 15 End mp 15.83
Henry	- TN	16.30	Tree(s) # of Trees 20 End mp 16.34
Henry	- TN	16.42	Fill
Henry	- TN	16.44	Bridge
Henry	- TN	16.44	Tree(s) # of Trees 30 End mp 16.64
Henry	- TN	16.47	Fill
Henry	- TN	16.70	Fill
Henry	- TN	16.70	Tree(s) # of Trees 20 End mp 16.75
Henry	- TN	17.00	Tree(s) # of Trees 10 End mp 17.04
Henry	- TN	17.10	Fill
Henry	- TN	17.15	Bridge
Henry	- TN	17.20	Fill
Henry	- TN	17.55	Fill
Henry	- TN	17.92	Fill
Henry	- TN	18.15	Tree(s) # of Trees 3 End mp 18.15
Henry	- TN	19.05	Fill
Henry	- TN	19.20	Tree(s) # of Trees 10 End mp 19.30
Henry	- TN	20.05	Tree(s) # of Trees 2 End mp 20.05
Henry	- TN	20.25	City of Puryear in Tennessee
Henry	- TN	20.70	Powerline
Henry	- TN	20.70	Tree(s) # of Trees 15 End mp 20.82
Henry	- TN	21.00	Junction TN 140 Heading East
Henry	- TN	21.10	Junction TN 140 heading West
Henry	- TN	21.40	Tree(s) # of Trees 10 End mp 21.60
Henry	- TN	22.40	Fill
Henry	- TN	22.90	Tree(s) # of Trees 15 End mp 23.40
Henry	- TN	23.90	Tree(s) # of Trees 35 End mp 24.03
Henry	- TN	24.55	Tree(s) # of Trees 20 End mp 24.85
Henry	- TN	24.85	Tennessee - KY (Calloway Co) Border

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APPENDIX B  
SAMPLE BRIDGE DATA

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**SPECIFICATION LIST FOR BRIDGE DATA:**

(columnwise listing from QUAKE REPORT program)

1. County Number
2. Milepoint
3. Road Surface Type (i.e., Flexible, Composite, or Rigid)
4. Number of Spans
5. Bridge Function (i.e., [O]verpass, [U]nderpass, [S]tream, or [X]other)
6. Bridge Construction (i.e., [C]oncrete or [S]teel)
7. A. IF concrete, what beam type?  
(i.e., [T]-Beam, [I]-Beam, or [B]ox-Beam)
8. B. IF steel, what design type?  
(i.e., [T]russ or [G]irder)
  - I. If Truss, what type? (i.e., [D]eck, [P]ony, or [T]hrough)
    - a. If Through, what type? (i.e., A = HOWE, B = WARREN, C = WHIPPLE, D = BALTIMORE, E = PRATT, F = QUADRANGULAR WARREN, G = CAMEL BACK, H = K-TRUSS)
  - II. If Girder, what type? (i.e., [T]hrough, [D]eck, or [I]-Beam)
9. Through Type (for Steel Truss Bridge Construction)
10. Bridge Bearing Type (i.e., [R]ockers, [N]eoprene Pad, or [F]ixed)

EXAMPLE: 3-span bridge with fixed bearings  
Bearing for end #1 => F  
Bearing for pier #1 => F  
Bearing for pier #2 => F  
Bearing for end #2 => F
11. Deck Type (i.e., [C]oncrete or [S]teel)
12. Bridge Length
13. Bridge Width
14. Seismic Performance Code (SPC)
15. Bridge Retrofitting (i.e., if SPC = A, No Retrofitting; if SPC = B or C, Needs Retrofitting)
16. Expansion Type (i.e., [P]oured Compression, [S]liding Plate, [F]inger Dam, or [O]ther)
17. Bridge Substructure (i.e., [F]ull, [S]tub, and [O]pen Abut., or [P]ile Bent)

EXAMPLE: End #1 Substructure => F  
End #2 Substructure => F
18. Pier Type (i.e., [O]pen, [S]olid, or [C]antilever)
19. Foundation Type (i.e., [R]ock, [P]ile, or [U]nknown)

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